ISSN 0147-9725

# MARYLAND BIRDLIFE

*Avian studies in the Mid-Atlantic region*

*Bulletin of the Maryland Ornithological Society, Inc.*

**SPRING 2020**
**VOLUME 69**
**NUMBER 1**

# MARYLAND ORNITHOLOGICAL SOCIETY, INC.

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**Cover: Adult-winter Lesser Black-backed Gull, *Larus fuscus*.** Photographed by Mark R. Johnson at Choptank Marina, Preston, Caroline County, Maryland, 28 November 2015.

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# EDITOR'S NOTE

The spring 2020 issue of *Maryland Birdlife* is a "catch-up" issue for the 2019 annual bird counts. It contains summary reports for the 2018–2019 Maryland Christmas Bird Counts, the 2019 Maryland Mid-winter Bird Count, the Spring Raptor Migration at Fort Smallwood Park, the Maryland May Count, and the Maryland Fall Count. In addition to the 2019 annual counts, the issue contains a summary of the one-day Maryland Gull Day winter surveys that were conducted throughout Maryland, the District of Columbia, and nearby states in 1992–1996.

Publication of the annual bird counts will return to their normal schedule commencing with the fall 2020 issue, i.e., the Maryland May Count and the Maryland Fall Count published in the spring issues; the Maryland Christmas Bird Counts, the Maryland Mid-winter Bird Count, and the Spring Raptor Migration at Fort Smallwood Park published in the fall issues.

## Species List Order

The species list order used in this issue is based on:

Chesser, R.T., K.J. Burns, C. Cicero, J.L. Dunn, A.W. Kratter, I.J. Lovette, P.C. Rasmussen, J.V. Remsen, Jr., D.F. Stotz, and K. Winker. 2019. Check-list of North American Birds (online). American Ornithological Society. Available at: http://checklist.aou.org/taxa.

## Call for Potential Authors

Dig into your field notebooks and consider publishing in *Maryland Birdlife*. (To quote from my Editor's Note in *The Maryland Entomologist*, "Don't wait till you croak; it's too late then!") I am sure there are much data out there just waiting to be published. Put your findings in print for the world to see. Remember, your study benefits no one if you are the only person with access to it. I look forward to an inbox overflowing with submittals. Thanks for your consideration.

Eugene J. Scarpulla
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# Maryland Gull Day Surveys: 1992–1996

Eugene J. Scarpulla[1] and Eirik A. T. Blom[†]
(Larid artwork by Ellen M. Lawler)

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**Abstract:** From 1992 through 1996, one-day winter Gull Day surveys were conducted throughout Maryland and the District of Columbia, occasionally including additional sites in Delaware, Virginia, and North Carolina. Although the data from the five survey dates were destroyed, an attempt was made during 2017 through 2019 to locate any still in existence. This article summarizes the available recovered data.

From 1992 through 1996, Eirik A. T. Blom (deceased) and I (Eugene J. Scarpulla) organized one-day winter Gull Day surveys throughout Maryland and the District of Columbia, occasionally including additional sites in Delaware, Virginia, and North Carolina. Blom (along with his survey records) passed away in 2002 and all my data were destroyed by Hurricane Isabel's 2.7-m (9-ft) storm surge in September 2003. For this article, I attempted to recover any extant data by several methods. I posted a request for any existing Gull Day data on the Maryland & DC Birding listserv (Scarpulla 2017). I also e-mailed known Gull Day participants with a request for any surviving data that might still exist. Additionally, on 2–3 July 2018, I visited the Roger Tory Peterson Institute of Natural History (RTPI) in Jamestown, New York, to search through 20 boxes of Blom's files that were archived onsite. Lastly, I placed requests for Gull Day data in *The Flyer* (Delmarva Ornithological Society; Scarpulla 2019a), the *VSO Newsletter* (Virginia Society of Ornithology; Scarpulla 2019b), and the *CBC Newsletter* (Carolina Bird Club; Scarpulla 2019c).

This article summarizes the logistics of the Gull Day surveys and tabulates any recovered data. Some of the data (per survey date and/or per survey location) are more complete than others. I recognize this shortcoming, but the data provide a limited snapshot of the five survey dates.

## INTRODUCTION

The idea of Maryland Gull Day originated because Blom and I were speculating on how many Lesser Black-backed Gulls were actually in the state at any one time. We had seen about 10 at Conowingo Dam, and we knew that 8 had been reported at Oaks Landfill (colloquially known as "Laytonsville Landfill") the

previous week. It occurred to us that as many as 50 Lesser Black-backed Gulls might be in Maryland on any winter day. It became clear that we really did not know, and that we would like to. In the past, any attempt to estimate how many Lesser Black-backed Gulls or white-winged gulls were present in any winter involved scouring the Season Reports in *Maryland Birdlife* and trying to guess how many were duplicates, and what was the high count for any given site. Clearly this was not the best method. It was then that the idea of Maryland Gull Day emerged.

The first Maryland Gull Day was conducted on 18 January 1992. Our goal was to achieve same-day coverage of all of the major gull concentration points in the state. We hoped to repeat this process annually, creating baseline information on gull populations, permitting year-to-year comparisons, and assessing the status of certain species.

## GULL DAY METHODS

Survey Protocol

We sought a minimum of four hours coverage at each site. Although we preferred such coverage to be in the morning beginning around 0800 hours, the time spent and the nature of the coverage was at least partially dependent on local conditions and on the specific conditions at the site. We relied heavily on local expertise to use their best judgement when deciding how and when to survey a site. Optimally, it would be best to have had at least two individuals at each site, but the priority was to have at least one experienced gull-watcher present.

We requested that participants collected the following information at each site:

1) An estimate of the total number of gulls;
2) An estimate of the number of each species;
3) Age breakdowns on the rarer species (i.e., Laughing, Iceland, "Thayer's," Lesser Black-backed, and Glaucous Gulls, and anything less common);
4) An estimate of the breakdown between adult and subadult birds for the three common species (i.e., Ring-billed, Herring, and Great Black-backed Gulls). For example, if you had 10,000 Herrings, we wanted to know that 30% were adults and 70% were not. We did not discourage the effort to breakdown the common gulls into specific age categories, but at major concentration sites, collecting these data may have been too difficult;
5) The amount of time spent by the observer(s);
6) The number of observers;
7) A brief description of the weather and the viewing conditions. The areawide weather statistics would be retrieved from one of the weather channels;

8) Any useful or interesting comments about the effort;
9) Details for Sabine's, Mew, California, Yellow-legged, and "Thayer's" Gulls; noncoastal Black-legged Kittiwakes; or anything less common; and,
10) Information about changes in gull populations throughout the observation period, and identification of flight lines, if evident.

While the effort was to count gulls, we asked participants to please feel free to make note of other unusual birds.

Saturdays were chosen because of the need to count birds on a day when landfills were in operation, and to accommodate the number of observers who were unable to participate on a weekday.

Survey Dates
18 January 1992
23 January 1993
29 January 1994
28 January 1995
10 February 1996 (a rescheduled weather date)

Known Participants
Rick Blom, Bob Boxwell, Ed Boyd, Ned Brinkley, Colin Campbell, Leslie (Fisher) Clifton, Barry Cooper, Sam Cooper, Ralph Cullison, Dave Czaplak, Lynn Davidson, Phil Davis, Sam Dyke, Jeff Effinger, Jane Farrell, Greg Gough, Gary Griffith, Jim and Patricia Gruber, Mark Hoffman, Marshall Iliff, Ottavio Janni, George Jett, Meta Little, Gail Mackiernan, Nancy Magnusson, Todd McGrath, Stauffer Miller, Dotty Mumford, June (Vaughn) Mundis, Michael O'Brien, Paul O'Brien, Beth Olsen, Brian Patteson, Grayson "Butch" Pearce, Paul Pisano, Earl Potrafke, Kyle Rambo, Sue Ricciardi, Bob Ringler, Gene Scarpulla, Ellen Short, David Smith, Mike Smith, Jo Solem, Jim Stasz, Joe Swertinski, Mary Ann Todd, Pete Webb, and Hal Wierenga. Most certainly, other people participated in the surveys, but in 2019, I was only aware of the above participants. I apologize to any participants whose names were not included.

## RESULTS

Data were received from several of the survey participants, as well as mined from *Maryland Birdlife* (Maryland Ornithological Society), *American Birds* (National Audubon Society), *National Audubon Society Field Notes*, *Delmarva Ornithologist* (Delmarva Ornithological Society), and eBird (The Cornell Lab of Ornithology). I also checked *The Raven* (Virginia Society of Ornithology), but no data were found. A check of Blom's computer files, as well as his paper files archived at RTPI, yielded no data.

Table 1 shows the 17 taxa observed on (or bracketing) the five Maryland Gull Day surveys conducted in 1992–1996.

**Table 1. Gull species, subspecies, and hybrid observed on the five Maryland Gull Day surveys conducted in 1992–1996.** In two cases, the species were not observed on an actual survey date, but were reported on dates bracketing a survey date:

| Common Name | Scientific Name | Notes |
|---|---|---|
| Black-legged Kittiwake | *Rissa tridactyla* | |
| Bonaparte's Gull | *Chroicocephalus philadelphia* | |
| Black-headed Gull | *Chroicocephalus ridibundus* | |
| Little Gull | *Hydrocoloeus minutus* | |
| Laughing Gull | *Leucophaeus atricilla* | |
| Mew Gull (Common Gull) | *Larus canus canus* | bracketed a survey date |
| Ring-billed Gull | *Larus delawarensis* | |
| California Gull | *Larus californicus* | |
| Herring Gull (American) | *Larus argentatus smithsonianus* | |
| Herring Gull (European) | *Larus argentatus argentatus* | |
| Yellow-legged Gull | *Larus michahellis* | bracketed two survey dates |
| Iceland Gull (Kumlien's) | *Larus glaucoides kumlieni* | |
| Iceland Gull (Thayer's) | *Larus glaucoides thayeri* | |
| Lesser Black-backed Gull | *Larus fuscus* | |
| Glaucous x Herring Gull hybrid (i.e., "Nelson's" Gull) | *Larus hyperboreus* x *L. argentatus* | |
| Glaucous Gull | *Larus hyperboreus* | |
| Great Black-backed Gull | *Larus marinus* | |

Yearly Survey Summaries

Tables 2 through 7 provide the available yearly survey summaries. Sites are listed approximately west to east and then north to south. The summary data are complete for the 1992 and 1995 surveys, are estimated for 1994, and are incomplete for 1993 and 1996.

Although the data are estimated or incomplete for three of the five surveys, six taxa were observed on all five surveys (i.e., Ring-billed, Herring [American], Iceland [Kumlien's], Iceland [Thayer's], Lesser Black-backed, and Great Black-backed Gulls). Four taxa were found on four of the surveys (i.e., Bonaparte's, Black-headed, Glaucous x Herring hybrid [Nelson's], and Glaucous Gulls). One taxon was found on three of the surveys (i.e., Black-legged Kittiwake). Two taxa were found on two of the surveys (i.e., Little and California Gulls). Two taxa were found on one of the surveys (i.e., Laughing and Herring [European] Gulls. Two taxa were not found on an actual survey day but were bracketed on both sides of the day (i.e., Mew [Common] and Yellow-legged Gulls).

**Table 2. Gull Day '92 (18 January 1992).** The survey sites per jurisdiction were: Maryland 23, District of Columbia 2, and Virginia 1. WWTP = wastewater treatment plant. Except as noted, the surviving data were found on a summary table prepared by Blom.

| Location | County (or DC) | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Location |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oaks Landfill | MO | | | | | | 600 | | 2300 | | | 1 | | | 100 | 3001 |
| Alpha Ridge Landfill | HO | | | | | | 312 | | 116 | | | | | | 26 | 454 |
| Western Baltimore County | BA | | | | | | 17[a] | | 18[a] | | | | | | | 35[a] |
| Loch Raven Reservoir | BA | | 2 | | | | 148 | | 190 | | | | | | 24 | 364 |
| Eastern Sanitary Landfill | BA | | | | | | 1611 | | 246 | | | 4 | | | 45 | 1906 |
| Back River WWTP and Diamond Point | BA | | 187 | | | | 1632 | | 16 | | | | | | 23 | 1858 |
| Baltimore Harbor | BC | | | | | | 2147 | | 71 | | | | | | 28 | 2246 |
| Southeast Baltimore | BC | | 253 | | | | 620 | | 118 | | | | | | 86 | 1077 |
| Conowingo Dam | HA/CE | | | | | | 25,000 | | 10,000 | | 1 | 11[a] | | | 750 | 35,762 |
| Brown Station Road Landfill | PG | | | | | | 1700 | | 700[b] | 1 | 1[b] | 1 | | | 8 | 2411[b] |
| Schoolhouse Pond | PG | | | | | | 4750 | | 1272 | | | 1 | | | 4 | 6027 |
| Millersville Landfill | AA | | | | | | 3000 | | 7000 | | | 5 | | | 150 | 10,155 |
| Annapolis Landfill | AA | | | | | | 500 | | 3500 | | | | | | 60 | 4060 |
| Sudley Sanitary Landfill | AA | | | | | | 760 | | 116 | | | | | | 11 | 887 |
| Charles County Landfill | CH | | | | | | 1500 | | 450 | | | 1 | | | 35 | 1986 |
| Calvert County Landfill | CT | | | | | | 1400 | | 1400 | | | | | | 28 | 2828 |
| St. Mary's County | SM | | | | | | 750 | | 600 | | | 1 | | | 18 | 1369 |
| Point Lookout State Park | SM | | | | | | 144 | | 307 | | | | | | 16 | 467 |
| Midshore Regional County Landfill | TA | | | | | | 3700 | | 1800 | | | 2 | | | 46 | 5548 |
| Cambridge | DO | | | | | | 270 | | 100 | | | | | | 2 | 372 |
| Salisbury Landfill | WI | | | | | | 1000 | | 2500 | | | 3 | 1 | | 50 | 3554 |
| Ocean City | WO | | | | | | 1700 | | 60 | | | | | | 30 | 1790 |
| Assateague Island | WO | | 17 | 1 | | | 515 | | 1350 | | | 1 | | | 208 | 2092 |
| **Maryland Total** | | | **459** | **1** | | | **53,776** | | **34,230** | **1** | **2** | **31** | **1** | | **1748** | **90,249** |
| Georgetown Reservoir | DC | | 3 | | | | 100 | | 335 | | | 1 | | | 25 | 464 |
| Hains Point | DC | | | | | | 2805 | | 281 | | | | | | 190 | 3276 |
| **District of Columbia Total** | | | **3** | | | | **2905** | | **616** | | | **1** | | | **215** | **3740** |
| Prince William County Landfill | PW | | | | | | 4000 | | 1500 | | | 3 | | | 100 | 5603 |
| **Virginia Total** | | | | | | | **4000** | | **1500** | | | **3** | | | **100** | **5603** |
| **Total per Species** | | | **462** | **1** | | | **60,681** | | **36,346** | **1** | **2** | **35** | **1** | | **2063** | **99,592** |

[a] Ringler, in litt.
[b] Stasz, in litt.

**Table 3. Gull Day '92 (18 January 1992) breakdown by ages.** Not all reports were submitted with age breakdowns. The total numbers for the three most numerous species (i.e., Ring-billed, Herring, and Great Black-backed Gulls) do not match the totals found in Table 2. The surviving data were found on a summary table prepared by Blom.

| Age Class | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age Class |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| By Year (when reported as such) | | | | | | | | | | | | | | | |
| First-winter | | | 1 | | | 1725 | | 854 | | 1 | 5 | 1 | | 74 | 2661 |
| Second-winter | | | | | | 2162 | | 419 | 1 | | 6 | | | 39 | 2627 |
| Third-winter | | | | | | | | 531 | | | 4 | | | 30 | 565 |
| "Fourth-winter" | | | | | | | | | | | 1 | | | | 1 |
| Adult-winter | 462 | | | | | 13,518 | | 4662 | | 1 | 19 | | | 166 | 18,828 |
| **Total** | **462** | | **1** | | | **17,405** | | **6466** | **1** | **2** | **35** | **1** | | **309** | **24,682** |
| Non-adult vs. Adult (when reported as such) | | | | | | | | | | | | | | | |
| Non-adult | | | | | | 47,528 | | 23,314 | | | | | | 1258 | 72,100 |
| Adult | | | | | | 9461 | | 12,291 | | | | | | 665 | 22,417 |
| **Total** | | | | | | **56,989** | | **35,605** | | | | | | **1923** | **94,517** |

**"That's a Stretch" by Ellen Lawler**

Ellen painted this adult Laughing Gull based on a photo she took on 13 April 2013 at Queen's Sound, Virginia. She completed the painting in May 2013.

**Table 4. Gull Day '93 (23 January 1993).** Survey data are incomplete.

| Location | County (or DC) | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Location |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Town Hill[a] | AL | | | | | | 1 | | | | | | | | | |
| MD Route 108 pond[b] | MO | | | | | | | | | | | | | 1 | | |
| Oaks Landfill[c] | MO | | | | | | | 1 | | | 1 | | | 1 | | |
| Northern Landfill[d] | CA | | | | | | 185 | | 15 | | | 2 | | | 2 | 204 |
| Alpha Ridge Landfill[e] | HO | | | | | | 2500 | | 2000 | 1 | | 2 | | | 80 | 4583 |
| Conowingo Dam[f] | HA/CE | | | 1 | | | +[g] | | +[g] | | | | | | +[g] | 1500 |
| Cecil County Landfill[f] | CE | | | | | | +[g] | | +[g] | | | 2 | | | +[g] | 7500 |
| Brown Station Road Landfill[h] | PG | | | | | | 13,541 | | 1698 | | | 2 | | | 314 | 15,555 |
| Sudley Sanitary Landfill[h] | AA | | | | | | 1035 | | 420 | | | | | | 28 | 1483 |
| Charles County Landfill[i] | CH | | | | | | | | | | | 1 | | | | 1 |
| Kennedyville[j] | KE | | | | | | 14,000 | | | | | | | | | 14,000 |
| Kent Island[k] | QA | | 1 | | | | 2272 | | 762 | | | | | | 23 | 3058 |
| Blackwater National Wildlife Refuge[l] | DO | | | | | | | | | 1 | | | | | | 1 |
| Westover[m] | SO | | | | | | | | | | | 1 | | | | 1 |
| Worcester County Landfill[n] | WO | | | | | | | | | | | 1 | 1 | | | 2 |
| **Maryland Total** (incomplete) | | | **1** | **1** | | | **33,534+** | **1** | **4895+** | **2** | **1** | **11** | **1** | **2** | **447+** | **47,888** |
| Georgetown Reservoir[o] | DC | | | | | | | | | | | 6 | | | | 6 |
| **District of Columbia Total** (incomplete) | | | | | | | | | | | | **6** | | | | **6** |
| Virginia Beach[p] | | | | | 6 | | | | | | | | | | | 6 |
| Virginia Beach pelagic[p] | | 114 | | | | | | | | | | | | | | 114 |
| **Virginia Total** (incomplete) | | **114** | | | **6** | | | | | | | | | | | **120** |
| Port of Wilmington[q] | New Castle | | | | | | | | | | | 1 | | | | |
| **Delaware** (incomplete) | | | | | | | | | | | | **1** | | | | |
| **Total per Species** (incomplete) | | **114** | **1** | **1** | **6** | | **33,534+** | **1** | **4895+** | **2** | **1** | **18** | **1** | **2** | **447+** | **48,014** |

[a] Paulus in Southworth and Southworth (1993)
[b] P. O'Brien, in litt.
[c] Mackiernan, Miller, M. O'Brien, P. O'Brien in Southworth and Southworth (1993)
[d] Ringler, in litt.
[e] Magnusson in Southworth and Southworth (1993)
[f] Reid 1993
[g] It is assumed that the total numbers in Reid (1993) included these three species.
[h] Stasz, in litt.
[i] Jett in Southworth and Southworth (1993)
[j] Grubers in Southworth and Southworth (1993)
[k] Ricciardi, in litt.
[l] Kelly in Southworth and Southworth (1993)
[m] M. O'Brien in Southworth and Southworth (1993)
[n] Hoffman, M. O'Brien in Southworth and Southworth (1993)
[o] Janni in Southworth and Southworth (1993)
[p] Patteson in Armistead (1993)
[q] Hess, in litt.

**Table 5. Gull Day '94 (29 January 1994).** Approximately 55 sites were surveyed in Maryland, the District of Columbia, and parts of Virginia and Delaware (Blom et al. 1994). WWTP = wastewater treatment plant. "Estimated Total per Species" were found in Blom et al. (1994). Survey data are incomplete.

| Location | County (or DC) | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Location |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oaks Landfill[a] | MO | | | | | | | | | | | 7 | | 2 | | 9 |
| Alpha Ridge Landfill[b] | HO | | | | | | 2700 | | 300 | 2 | | 3 | | | 50 | 3055 |
| Back River WWTP and Diamond Point[c] | BA | | | | | | | | | | | 1 | | | | 1 |
| Brown Station Road Landfill[d] | PG | | | | | | 8000 | | 2000 | 2 | 1 | 3 | | | 16 | 10,022 |
| Millersville Landfill[e] | AA | | | | | | | | | | | 3 | | 1 | | 4 |
| Cordova vicinity[f] | TA | | | | | | 1500 | | | | | | | | | 1500 |
| Salisbury Landfill[g] | WI | | | | | | | | | | | 8 | | | | 8 |
| Worcester County Landfill[h] | WO | | | | | | | | 4000 | | | 2 | | | | 4002 |
| Ocean City[i] | WO | | | | | | | | | 1 | | | | | | 1 |
| **Maryland Total** (incomplete) | | | | | | | **12,200** | | **6300** | **5** | **1** | **27** | | **3** | **66** | **18,602** |
| **District of Columbia Total** (incomplete) | | | | | | | | | | | | | | | | |
| **Virginia Total** (incomplete) | | | | | | | | | | | | | | | | |
| **Delaware Total** (incomplete) | | | | | | | | | | | | | | | | |
| **Total per Species**[j] (estimated) (incomplete) | | | **262** | **1** | | | **>55,000** | | **>33,000** | **5** | **2** | **36** | | **3** | **1273** | **>90,000** |

[a] Mackiernan, in litt.
[b] Magnusson in litt.
[c] Scarpulla in Southworth and Southworth (1995)
[d] Ricciardi, in litt.; Stasz, in litt
[e] Davidson and Wierenga, in litt.
[f] Reese, in litt.
[g] C. and D. Broderick in Southworth and Southworth (1995)
[h] Hoffman and M. O'Brien in Southworth and Southworth (1995)
[i] Hoffman + in Southworth and Southworth (1995)
[j] Blom et al. (1994)

**Table 6. Gull Day '95 (28 January 1995).** The survey sites per jurisdiction were: Maryland 39, District of Columbia 2, Delaware 7, North Carolina 4, and Virginia 0. WWTP = wastewater treatment plant. Except as noted, the surviving data were found on a summary table prepared by Scarpulla.

| Location | County (or DC) | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Location |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Frederick Landfill | FR | | | | | | 362 | | 32 | | | | | | 2 | 396 |
| Piney Run County Park | CA | | | | | | 3 | | | | | | | | | 3 |
| Oaks Landfill | MO | | | | | | 6500[a] | | 2500[a] | 1 | | 6 | | 1 | 300[a] | 9308 |
| Alpha Ridge Landfill | HO | | | | | | 400 | | 1300 | | | 3 | | 1 | 90 | 1794 |
| Timonium parking lots | BA | | | | | | 516 | | 2 | | | | | | | 518 |
| Back River WWTP and Diamond Point | BA | | 555 | | | | 1222 | | 359 | | | 1 | | | 42 | 2179 |
| Eastern Sanitary Landfill | BA | | | | | | 4680 | | 733 | | | 2 | | | 175 | 5590 |
| Conowingo Dam | HA/CE | | 30 | 1 | | | 25,000 | 1 | 3000 | 1 | 1 | 3 | | | 109 | 28,146 |
| Cecil County Landfill[b] | CE | | | | | | | | | | | | | | | |
| Sandy Hill Landfill | PG | | | | | | 4975 | | 1780 | | | | | | 220 | 6975 |
| Brown Station Road Landfill | PG | | | | | | 5400 | | 3600 | 2[c] | | 4 | | | 75 | 9081[c] |
| Millersville Landfill | AA | | | | | 1 | 10,000 | | 5000 | 2 | | 5 | | 1 | 250 | 15,259 |
| Crownsville WWTP | AA | | | | | | 250 | | 115 | | | | | | 3 | 368 |
| Charles County Landfill | CH | | | | | | 1400 | | 900 | | | | | | 50 | 2350 |
| St. Mary's County | SM | | | | | | 130 | | 50 | | | | | | 1 | 181 |
| Midshore Regional County Landfill | TA | | | | | | 8200 | | 923 | | | | | | 115 | 9238 |
| Dorchester County | DO | | | | | | 1515 | | 259 | | | | | 1 | 145 | 1920 |
| Salisbury Landfill | WI | | | | | | 485 | | 2181 | | | 4 | | | 58 | 2728 |
| Worcester County | WO | | 200 | | | | 1350 | | 3360 | | | | | 1 | 176 | 5087 |
| **Maryland Total** | | | **785** | **1** | | **1** | **72,388** | **1** | **26,094** | **6** | **1** | **28** | | **5** | **1811** | **101,121** |
| Georgetown Reservoir and Hains Point | DC | | | | | | 464 | | 1452 | | | 5 | | | 97 | 2018 |
| **DC Total** | | | | | | | **464** | | **1452** | | | **5** | | | **97** | **2018** |
| Port of Wilmington[d] | New Castle | | | | | | | | | | | 1 | | | | |
| Fowler Beach[e] | Sussex | | | | | | | | | | | 1 | | | | |
| **Delaware Total** | | | **82** | **1** | | | **4218** | | **2824** | | | **2** | | | **606** | **7733** |
| Rodanthe, Waves, and Salvo[f] | Dare | | 168 | | 1 | | 94 | | 326 | | | | | | 89 | 678 |
| Avon: beach area[f] | Dare | | 91 | | | | 485 | | 84 | | | 1 | | | 44 | 705 |
| Cape Point[f] | Dare | 1 | 66 | | | | 233 | 2 | 8555[g] | 1 | 2 | 32[h] | 1 | | 3164 | 12,057 |
| Hatteras Point[f] | Dare | | 5 | | | 1 | 63 | | 1154 | | | 6 | | | 2186 | 3415 |
| **North Carolina Total** | | **1** | **330** | | **1** | **1** | **875** | **2** | **10,119[g]** | **1** | **2** | **39[h]** | **1** | | **5483** | **16,855** |

| Location | County (or DC) | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Location |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total per Species** | | 1 | 1197 | 2 | 1 | 2 | 77,945 | 3 | 40,489[g] | 7 | 3 | 74[h] | 1 | 5 | 7997 | 127,727 |

[a] Mackiernan, in litt.
[b] survey conducted, no data received
[c] Ricciardi, in litt.; Stasz, in litt.
[d] M. Smith in Hess (1996)
[e] Campbell in Hess (1996)
[f] Brinkley, in litt.
[g] includes 1 nominate "European" (*L. a. argentatus*), 1 "yellow-legged," 1 "dark-mantled"
[h] includes 1 "dark-mantled," 2 "pink-legged"

**Table 7. Gull Day '96 (10 February 1996).** WWTP = wastewater treatment plant. Survey data are incomplete.

| Location | County (or DC) | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Location |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alpha Ridge Landfill[a] | HO | | | | | | 311 | 1136 | | | 1 | 1 | | 1 | 8 | 1458 |
| Howard County (various)[b] | HO | | | | | | 1265 | 181 | | | | | | | | 1446 |
| Brown Station Road Landfill[c] | PG | | | | | | 3500 | 1500 | 2 | | | | | | 5 | 5007 |
| Millersville Landfill[d] | AA | | | | | | 4000 | 3000 | 3 | | | 4 | | | 20 | 7027 |
| Crownsville WWTP[d] | AA | | | | | | 125 | | | | | | | | | 125 |
| Sandy Point State Park[d] | AA | | | | | | 450 | 75 | | | | 1 | | | 50 | 576 |
| Linkwood[e] | DO | | | | | | | | | | | 1 | | | | 1 |
| Ocean City; Central Landfill[e] | WO | | | | | | 310 | 900 | | | | 1 | | | 70 | 1281 |
| **Maryland Total** (incomplete) | | | | | | | **9961** | **6792** | | **5** | **1** | **8** | | **1** | **153** | **16,921** |
| Virginia Beach offshore[f] | | | 5 | | | | | | | | | | 1 | | | |
| **Virginia Total** (incomplete) | | | **5** | | | | | | | | | | **1** | | | |
| **Total per Species** (incomplete) | | | **5** | | | | **9961** | **6792** | | **5** | **1** | **8** | **1** | **1** | **153** | **16,921** |

[a] Scarpulla, Cullison, Olsen in Southworth & Southworth (1997); Stirrat, in litt.
[b] Solem, in litt.; Stirrat, in litt.
[c] Ricciardi, in litt
[d] Davidson and Wierenga, in litt.
[e] Ringler, in litt.
[f] Abbott, Flynn in Iliff (1996)

Age Summaries by Location

Tables 8 through 35provide more detailed age summary data for the various survey locations. Locations are ordered approximately west to east and north to south. The most complete data can be found for Alpha Ridge Landfill (Table 10) and Brown Station Road Landfill (Table 13), followed by Millersville Landfill (Table 14) and Oaks Landfill (Table 8).

**"First-winter Ring-billed Gull" by Ellen Lawler**

Ellen painted this watercolor in March 2013 based on a photo taken near the Riverside Boat Ramp in Salisbury, Wicomico County.

**Table 8. Oaks Landfill (Montgomery County, MD).** Data submitted by Gail Mackiernan (in litt. 10 November 2017), Paul O'Brien (in litt. 26 November 2017), and retrieved from Southworth and Southworth (1993). Survey data are incomplete.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 January 1992 | | | | | | | | | | | | | | | |
| P. O'Brien | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult winter | | | | | | 60 | 460 | | | | | | | 40 | 560 |
| Adult-winter | | | | | | 540 | 1840 | | | | 1 | | | 60 | 2441 |
| **Total per Date** | | | | | | 600 | 2300 | | | | 1 | | | 100 | **3001** |
| 23 January 1993 | | | | | | | | | | | | | | | |
| Mackiernan, Miller, M. O'Brien, P. O'Brien | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | 1 | | | | | 1 |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | | | | | | | | | | |
| **Total per Date** | | | | | | | 1 | | | 1 | | | 1 | | **3** |
| 29 January 1994 | | | | | | | | | | | | | | | |
| Mackiernan, B. Cooper | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult winter | | | | | | | | | | | | | 1 | | 1 |
| Adult-winter | | | | | | | | | | | | | 1 | | 1 |
| **Total per Date** | | | | | | | | | | | 7 | | 2 | | **9** |
| 28 January 1995 | | | | | | | | | | | | | | | |
| Mackiernan, B. Cooper | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | 1 | | | | | | 1 |
| Second-winter | | | | | | | | | | | | | 1 | | 1 |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | | | | | | | | | | |
| **Total per Date** | | | | | | 6500 | 2500 | | 1 | | 6 | | 1 | 300 | **9308** |

**Table 9. Northern Landfill (Carroll County, MD).** Observations by Bob Ringler and David Smith (Ringler, in litt. 1 December 2017).

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 January 1993 | | | | | | | | | | | | | | 1 | 1 |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | 1 | | | | 1 |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | | | | | | 1 | | | 1 | 2 |
| **Total per Date** | | | | | | 185 | | 15 | | | 2 | | | 2 | **204** |

**"The Line Up" by Ellen Lawler**

For this 2018 watercolor of Laughing Gulls, Ellen worked from photos she took at the beach parking lot at Chincoteague National Wildlife Refuge, Virginia on 12 July 2016.

**Table 10. Alpha Ridge Landfill (Howard County, MD).** Data submitted by Nancy Magnusson (in litt. 11 November 2017), Jo Solem (in litt. 8 February 2018), and Chuck Stirrat (in litt. 30 November 2017). Survey data are incomplete for 10 February 1996.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 January 1993, 0800–1100 | | | | | | | | | | | | | | | |
| Magnusson | | | | | | | | | | | | | | | |
| First-winter | | | | | | 200 | | 400 | 1 | | | | | 20 | 621 |
| Second-winter | | | | | | 300 | | 100 | | | | | | 6 | 406 |
| Third-winter | | | | | | | | 100 | | | | | | 6 | 106 |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | 2000 | | 1400 | | | 2 | | | 48 | 3450 |
| **Total per Date** | | | | | | 2500 | | 2000 | 1 | | 2 | | | 80 | **4583** |
| 29 January 1994, 0800–1130 | | | | | | | | | | | | | | | |
| Magnusson, Farrell | | | | | | | | | | | | | | | |
| First-winter | | | | | | 81 | | 138 | 2 | | | | | 23 | 244 |
| Second-winter | | | | | | 324 | | 15 | | | | | | 4 | 343 |
| Third-winter | | | | | | | | 39 | | | | | | 4 | 43 |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | 2295 | | 108 | | | 3 | | | 19 | 2425 |
| **Total per Date** | | | | | | 2700 | | 300 | 2 | | 3 | | | 50 | **3055** |
| 28 January 1995, 0800–1200 | | | | | | | | | | | | | | | |
| Magnusson, Solem | | | | | | | | | | | | | | | |
| First-winter | | | | | | 8 | | 299 | | | | | 1 | 32 | 340 |
| Second-winter | | | | | | 28 | | 52 | | | 1 | | | 4 | 85 |
| Third-winter | | | | | | | | 39 | | | | | | 6 | 45 |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | 364 | | 910 | | | 2 | | | 48 | 1324 |
| **Total per Date** | | | | | | 400 | | 1300 | | | 3 | | 1 | 90 | **1794** |
| 10 February 1996, 0700–1600 | | | | | | | | | | | | | | | |
| Scarpulla, Cullison, Olsen | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | 1 | | 1 |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | | | | | 1 | | | | | 1 |
| **Total per Date** | | | | | | 311 | | 1136 | | 1 | 1 | | 1 | 8 | **1458** |

**Table 11. Back River Wastewater Treatment Plant (Baltimore County, MD).** Data retrieved from Southworth and Southworth (1995). Survey data are incomplete.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 January 1994 | | | | | | | | | | | | | | | |
| Hoffman, M. O'Brien | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | | | | | | 1 | | | | 1 |
| **Total per Date** | | | | | | | | | | | 1 | | | | **1** |

**Table 12. Conowingo Dam (Harford/Cecil Counties, MD).** Data retrieved from Southworth and Southworth (1996). Survey data are incomplete.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 January 1995 | | | | | | | | | | | | | | | |
| Scarpulla, Blom, Fogleman | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | 1 | | | | 1 | | 1 | | | | | | 3 |
| **Total per Date** | | | 1 | | | | 1 | | 1 | | | | | | **3** |

**Table 13. Brown Station Road Landfill (Prince George's County, MD).** Data submitted by Sue Ricciardi (in litt. November 2017) and Jim Stasz (in litt. 25 November 2017).

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 January 1992, 0900–1300 | | | | | | | | | | | | | | | |
| Stasz, Boyd | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | 1 | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | | | | | | | | | | |
| **Total per Date** | | | | | | 1700 | | 700 | 1 | 1 | 1 | | | 8 | **2411** |
| 23 January 1993, 1030-1350 | | | | | | | | | | | | | | | |
| Stasz, Iliff | | | | | | | | | | | | | | | |
| First-winter | | | | | | 2256 | | 477 | | | | | | 56 | 2789 |
| Second-winter | | | | | | 710 | | 73 | | | 1 | | | 11 | 795 |
| Third-winter | | | | | | | | 38 | | | 1 | | | 3 | 42 |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | 10,575 | | 1110 | | | | | | 244 | 11,929 |
| **Total per Date** | | | | | | 13,541 | | 1698 | | | 2 | | | 314 | **15,555** |
| 29 January 1994, 1015–1515 | | | | | | | | | | | | | | | |
| Ricciardi, Stasz | | | | | | | | | | | | | | | |
| First-winter | | | | | | 64 | | | 2 | 1 | 2 | | | 7 | 76 |
| Second-winter | | | | | | 16 | | | | | | | | 3 | 19 |
| Third-winter | | | | | | | | | | | | | | 1 | 1 |
| Non-adult-winter | | | | | | | | 1000 | | | | | | | 1000 |
| Adult-winter | | | | | | 7920 | | 1000 | | | 1 | | | 5 | 8926 |
| **Total per Date** | | | | | | 8000 | | 2000 | 2 | 1 | 3 | | | 16 | **10,022** |
| 28 January 1995, 0930–1500 | | | | | | | | | | | | | | | |
| Ricciardi, Stasz | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | 1 | | | 10 | 11 |
| Second-winter | | | | | | | | | 2 | | | | | 10 | 12 |
| Third-winter | | | | | | | | | | | | | | 10 | 10 |
| Non-adult-winter | | | | | | 50 | | 2100 | | | | | | | 2150 |
| Adult-winter | | | | | | 5350 | | 1500 | | | 3 | | | 45 | 6898 |
| **Total per Date** | | | | | | 5400 | | 3600 | 2 | | 4 | | | 75 | **9081** |
| 10 February 1996, 1030–1500 | | | | | | | | | | | | | | | |
| Ricciardi | | | | | | | | | | | | | | | |
| First-winter | | | | | | 80 | | 80 | 2 | | | | | 1 | 163 |
| Second-winter | | | | | | 10 | | 5 | | | | | | | 15 |
| Third-winter | | | | | | | | | | | | | | 1 | 1 |
| Non-adult-winter | | | | | | 10 (unk) | | 15 (unk) | | | | | | | 25 |
| Adult-winter | | | | | | 3400 | | 1400 | | | | | | 3 | 4803 |
| **Total per Date** | | | | | | 3500 | | 1500 | 2 | | | | | 5 | **5007** |

**Table 14. Millersville Landfill (Anne Arundel County, MD).** All observations by Lynn Davidson and Hal Wierenga (in litt. 1 December 2017). Survey data are incomplete for 29 January 1994.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 January 1992 | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | 1 | | | | 1 |
| Second-winter | | | | | | | | | | | 1 | | | | 1 |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | 1000 | | 4000 | | | | | | 75 | 5075 |
| Adult-winter | | | | | | 2000 | | 3000 | | | 3 | | | 75 | 5078 |
| **Total per Date** | | | | | | 3000 | | 7000 | | | 5 | | | 150 | **10,155** |
| 29 January 1994 | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | 1 | | 1 |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | 1 | | | | 1 |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | | | | | | 2 | | | | 2 |
| **Total per Date** | | | | | | | | | | | 3 | | 1 | | **4** |
| 28 January 1995 | | | | | | | | | | | | | | | |
| First-winter | | | | | | 1500 | | 1500 | 1 | | 1 | | 1 | 100 | 3103 |
| Second-winter | | | | | | 3500 | | 500 | 1 | | 1 | | | 25 | 4027 |
| Third-winter | | | | | | | | 1000 | | | | | | 50 | 1050 |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | 1 | 5000 | | 2000 | | | 3 | | | 75 | 7079 |
| **Total per Date** | | | | | 1 | 10,000 | | 5000 | 2 | | 5 | | 1 | 250 | **15,259** |
| 10 February 1996, 1015–1145 | | | | | | | | | | | | | | | |
| First-winter | | | | | | 500 | | 750 | | | | | | 4 | 1254 |
| Second-winter | | | | | | 1000 | | 250 | | | | | | 4 | 1254 |
| Third-winter | | | | | | | | 250 | | | | | | 2 | 252 |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | 2500 | | 1750 | | | | | | 10 | 4260 |
| **Total per Date** | | | | | | 4000 | | 3000 | | | | | | 20 | **7020** |
| 10 February 1996, 1315–1500 (continuation) | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | 3 | | 1 | | | | 4 |
| Second-winter | | | | | | | | | | | 1 | | | | 1 |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | | | | | | 2 | | | | 2 |
| **Total per Date** | | | | | | | | | 3 | | 4 | | | | **7** |

**Table 15. Crownsville Wastewater Treatment Plant (Anne Arundel County, MD).** All observations by Lynn Davidson and Hal Wierenga (in litt. 1 December 2017).

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 January 1995 | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | | | | | | | | | | |
| **Total per Date** | | | | | | 250 | 115 | | | | | | | 3 | **368** |
| 10 February 1996, 1200–1220 | | | | | | | | | | | | | | | |
| First-winter | | | | | | 15 | | | | | | | | | 15 |
| Second-winter | | | | | | 25 | | | | | | | | | 25 |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | 85 | | | | | | | | | 85 |
| **Total per Date** | | | | | | 125 | | | | | | | | | **125** |

**Table 16. Annapolis Landfill (Anne Arundel County, MD).** All observations by Lynn Davidson and Hal Wierenga (in litt. 1 December 2017).

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 January 1992 | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | 300 | | 2000 | | | | | | 30 | 2330 |
| Adult-winter | | | | | | 200 | | 1500 | | | | | | 30 | 1730 |
| **Total per Date** | | | | | | 500 | | 3500 | | | | | | 60 | **4060** |

**Table 17. Sudley Landfill (Anne Arundel County, MD).** Data submitted by Jim Stasz (in litt. 25 November 2017).

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 January 1993, 1430–1530 Stasz, Iliff | | | | | | | | | | | | | | | |
| First-winter | | | | | | 25 | 100 | | | | | | | 10 | 135 |
| Second-winter | | | | | | 10 | 100 | | | | | | | 5 | 115 |
| Third-winter | | | | | | | 20 | | | | | | | 3 | 23 |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | 1000 | 200 | | | | | | | 10 | 1210 |
| **Total per Date** | | | | | | 1035 | 420 | | | | | | | 28 | **1483** |

**Table 18. Sandy Point State Park (Anne Arundel County, MD).** All observations by Lynn Davidson and Hal Wierenga (in litt. 1 December 2017).

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull | "Thayer's" Gull | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 February 1996, 1600–1700 | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | 1 | | | | 1 |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | | | | | | | | | | |
| **Total per Date** | | | | | | 450 | 75 | | | | 1 | | | 50 | **576** |

**Table 19. Kent Island (Queen Anne's County, MD).** All observations by Sue Ricciardi and Dotty Mumford (Ricciardi, in litt. November 2017).

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 January 1993 | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | 2 | 2 |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | 32 | 235 | | | | | | | | 267 |
| Adult-winter | | 1 | | | | 2240 | 527 | | | | | | | 21 | 2789 |
| **Total per Date** | | 1 | | | | 2272 | 762 | | | | | | | 23 | **3058** |

**Table 20. Blackwater National Wildlife Refuge (Dorchester County, MD).** Data retrieved from Southworth and Southworth (1993). Survey data are incomplete.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 January 1993 | | | | | | | | | | | | | | | |
| Kenneth Kelly | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | 1 | | | | | | 1 |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | | | | | | | | | | |
| **Total per Date** | | | | | | | | | 1 | | | | | | **1** |

**Table 21. Salisbury Landfill (Wicomico County, MD).** Data retrieved from Southworth and Southworth (1992). Survey data are incomplete.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 January 1992 | | | | | | | | | | | | | | | |
| M. O'Brien | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | 1 | | | 1 |
| Second-winter | | | | | | | | | | | 1 | | | | 1 |
| Third-winter | | | | | | | | | | | 2 | | | | 2 |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | | | | | | | | | | |
| **Total per Date** | | | | | | | | | | | 3 | 1 | | | **4** |

**Table 22. Worcester County Landfill (Worcester County, MD).** Data retrieved from Southworth and Southworth (1993). Survey data are incomplete.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 January 1993 | | | | | | | | | | | | | | | |
| Hoffman, M. O'Brien | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | 1 | | | 1 |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | | | | | | 1 | | | | 1 |
| **Total per Date** | | | | | | | | | | | 1 | 1 | | | **2** |

**Table 23. Port of Wilmington (New Castle County, DE).** Data submitted by Colin Campbell.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 January 1995 | | | | | | | | | | | | | | | |
| Campbell, McGrath, Swertinski | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | 9 | 55 | | | | | | | 24 | 88 |
| Adult-winter | | | | | | 241 | 305 | | | | 1 | | | 71 | 618 |
| **Total per Date** | | | | | | 250 | 360 | | | | 1 | | | 95 | **706** |

**Table 24. Little Creek Wildlife Area (Kent County, DE).** Data submitted by Colin Campbell.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 January 1995 | | | | | | | | | | | | | | | |
| Campbell, McGrath, Swertinski | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | 1 | | | | | | | | 3 | 4 |
| Adult-winter | | | | | | 22 | 4 | | | | | | | 12 | 38 |
| **Total per Date** | | | | | | 23 | 4 | | | | | | | 15 | **42** |

**Table 25. Mispillion and Fowler Beach (Sussex County, DE).** Data submitted by Colin Campbell.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 January 1995 | | | | | | | | | | | | | | | |
| Campbell, McGrath, Swertinski | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | 4 | | 11 | | | | | | 10 | 25 |
| Adult-winter | | | | | | 64 | | 65 | | | 1 | | | 33 | 163 |
| **Total per Date** | | | | | | 68 | | 76 | | | 1 | | | 43 | **188** |

**Table 26. Cape Henlopen State Park (Sussex County, DE).** Data submitted by Colin Campbell.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 January 1994 | | | | | | | | | | | | | | | |
| Campbell, Clifton, Potrafke, Short | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | 3 | | 1 | | | | | | 2 | 6 |
| Adult-winter | | 1 | | | | 63 | | 14 | | | | | | 6 | 84 |
| **Total per Date** | | 1 | | | | 66 | | 15 | | | | | | 8 | **90** |

**Table 27. Gordon's Pond (Sussex County, DE).** Data submitted by Colin Campbell.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 January 1994 | | | | | | | | | | | | | | | |
| Campbell, Clifton, Potrafke, Short | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | 4 | | | | 15 | | 3 | | | | | | 2 | 24 |
| **Total per Date** | | 4 | | | | 15 | | 3 | | | | | | 2 | **24** |

**Table 28. Rehoboth Beach (Sussex County, DE).** Data submitted by Colin Campbell.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 January 1994 | | | | | | | | | | | | | | | |
| Campbell, Clifton, Potrafke, Short | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | 50 | | | | | | | | | 50 |
| **Total per Date** | | | | | | 50 | | | | | | | | | **50** |

**Table 29. Silver Lake (Sussex County, DE).** Data submitted by Colin Campbell.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 January 1994 | | | | | | | | | | | | | | | |
| Campbell, Clifton, Potrafke, Short | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | 1 | | 4 | | | | | | 2 | 7 |
| Adult-winter | | | | | | 20 | | 30 | | | | | | 10 | 60 |
| **Total per Date** | | | | | | 21 | | 34 | | | | | | 12 | **67** |

**Table 30. Spring Lake (Sussex County, DE).** Data submitted by Colin Campbell.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 January 1994 | | | | | | | | | | | | | | | |
| Campbell, Clifton, Potrafke, Short | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | | | | | 50 | | | | | | | | | 50 |
| **Total per Date** | | | | | | 50 | | | | | | | | | **50** |

**Table 31. Indian River Inlet (Sussex County, DE).** Data submitted by Colin Campbell.

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 January 1994 | | | | | | | | | | | | | | | |
| Campbell, Clifton, Potrafke, Short | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | | | | | | | | |
| Second-winter | | | | | | | | | | | | | | | |
| Third-winter | | | | | | | | | | | | | | | |
| Non-adult-winter | | | | | | 2 | | 4 | | | | | | | 6 |
| Adult-winter | | 19 | | | | 55 | | 90 | | | | | | 19 | 183 |
| **Total per Date** | | 19 | | | | 57 | | 94 | | | | | | 19 | **189** |

**Table 32. Rodanthe, Waves, and Salvo (Dare County, NC).** Data submitted by Ned Brinkley (in litt. 3 February 2019).

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 January 1995 | | | | | | | | | | | | | | | |
| Brinkley, S. Cooper, Patteson, Pearce | | | | | | | | | | | | | | | |
| First-winter | | 13 | | | | 2 | | 12 | | | | | | 17 | 44 |
| Second-winter | | | | | | 4 | | 1 | | | | | | 2 | 7 |
| Third-winter | | | | | | | | 3 | | | | | | 4 | 7 |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | 155 | | 1 | | 88 | | 310 | | | | | | 66 | 620 |
| **Total per Date** | | 168 | | 1 | | 94 | | 326 | | | | | | 89 | **678** |

**Table 33. Avon: beach area (Dare County, NC).** Data submitted by Ned Brinkley (in litt. 3 February 2019).

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 January 1995 | | | | | | | | | | | | | | | |
| Brinkley, Patteson, Pearce | | | | | | | | | | | | | | | |
| First-winter | | 6 | | | | 5 | | 3 | | | | | | 9 | 23 |
| Second-winter | | | | | | 3 | | | | | | | | 1 | 4 |
| Third-winter | | | | | | | | 2 | | | | | | 2 | 4 |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | 85 | | | | 477 | | 79 | | | 1 | | | 32 | 674 |
| **Total per Date** | | 91 | | | | 485 | | 84 | | | 1 | | | 44 | **705** |

**Table 34. Cape Point (Dare County, NC).** Data submitted by Ned Brinkley (in litt. 3 February 2019).

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 January 1995 | | | | | | | | | | | | | | | |
| Brinkley, Patteson, Pearce | | | | | | | | | | | | | | | |
| First-winter | | 16 | | | | 2 | | 73 | | | 1 | 1 | | 128 | 221 |
| Second-winter | | | | | | 6 | | 18 | | | 1 | | | 8 | 33 |
| Third-winter | | | | | | | | 11 | | | 1[c] | | | 9 | 21 |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | 1[a] | 50 | | | | 225 | 2 | 8453[b] | 1 | 2 | 29[c] | | | 3019 | 11,782 |
| **Total per Date** | 1[a] | 66 | | | | 233 | 2 | 8555[b] | 1 | 2 | 32[c] | 1 | | 3164 | **12,057** |

[a] oiled

[b] includes 1 AW nominate "European" (*L. a. argentatus*), 1 AW "yellow-legged," 1 AW "dark-mantled"

[c] includes 1 AW "dark-mantled," 2 (1 AW, 1 3W) "pink-legged"

**Table 35. Hatteras Point (Dare County, NC).** Data submitted by Ned Brinkley (in litt. 3 February 2019).

| Date and Age | Black-legged Kittiwake | Bonaparte's Gull | Black-headed Gull | Little Gull | Laughing Gull | Ring-billed Gull | California Gull | Herring Gull | Iceland Gull (Kumlien's) | Iceland Gull (Thayer's) | Lesser Black-backed Gull | Glaucous x Herring Hybrid | Glaucous Gull | Great Black-backed Gull | Total per Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 January 1995 | | | | | | | | | | | | | | | |
| Brinkley, Patteson, Pearce | | | | | | | | | | | | | | | |
| First-winter | | | | | | | | 26 | | | | | | 102 | 128 |
| Second-winter | | | | | | 1 | | 12 | | | | | | 15 | 28 |
| Third-winter | | | | | | | | 4 | | | | | | 13 | 17 |
| Non-adult-winter | | | | | | | | | | | | | | | |
| Adult-winter | | 5 | | | 1 | 62 | | 1112 | | | 6 | | | 2056 | 3242 |
| **Total per Date** | | 5 | | | 1 | 63 | | 1154 | | | 6 | | | 2186 | **3415** |

Bracketed Observations

Although the following observations did not occur on the actual Gull Day survey dates, Gull Day fell within the stated date ranges.

1992

**Black-headed Gull**: immature, Governor Run (Carroll County, MD), 31 December 1991–9 February 1992, Lipincott, Stasz (Southworth and Southworth 1992).

**Black-headed Gull**: Wilmington Wastewater Treatment Plant (New Castle County, DE), 15 January–1 February 1992, Vanderhorst (Hess 1993).

**Yellow-legged Gull**: adult, Georgetown Reservoir (DC), 26 December 1991–23 February 1992, Janni, Hilton, Anderson, et al. (Armistead 1992).

**Iceland Gull**, first-winter, Oaks Landfill (Montgomery County, MD), 13 December 1991–21 February 1992, Czaplak + (Southworth and Southworth 1992).

1993

**Lesser Black-backed Gull:** Wilmington (New Castle County, DE) to Cape Henlopen (Sussex County, DE), individual gulls reported late December 1992–late January 1993, multiple observers (Hess 1994).

**Yellow-legged Gull**: adult, Georgetown Reservoir (DC) & Oaks Landfill (Montgomery County, MD), 9 January–6 March 1993, Janni et al. (Armistead 1993); adult, Oaks Landfill (Montgomery County, MD), 9 January 1993–27 February 1993, M. and P. O'Brien, Czaplak, Janni, Mackiernan + (Southworth and Southworth 1993).

Regarding the Maryland Route 108 pond at the Oaks Landfill, P. O'Brien (in litt. 26 November 2017) stated: "The Yellow-legged Gull was present on 16 January 1993 and again on 28 January 1993. It seemed to leave DC in the mornings for Laytonsville [Oaks Landfill] and return in late afternoon. One could reasonably extrapolate to include 23 January 1993."

1994

**Black-headed Gull**: Conowingo Dam (Harford/Cecil Counties, MD), 20 January 1994–12 February 1994, Blom, Scarpulla, et al. (Blom et al. 1994).

**Little Gull:** Indian River Inlet (Sussex County, DE), 3 January, Pucinella–31 January 1994 (Hess 1995).

**Mew Gull (Common Gull)**: Conowingo Dam (Harford/Cecil Counties, MD), 22 January 1994, Gustafson, Peterjohn, Blom, and 6 February 1994, Scarpulla (Blom et al. 1994, Southworth and Southworth 1995).

**Glaucous Gull**: first-winter, Conowingo Dam (Harford/Cecil Counties, MD), 15 January 1994, Scarpulla, Olsen–12 February 1994, Webb (Southworth and Southworth 1995).

1995

**Glaucous Gull:** first-winter, Ocean City (Worcester County, MD), 21 January 1995–11 February 1995, Hoffman, Armisteads, Lawler (Southworth and Southworth 1996).

1996

**Lesser Black-backed Gull:** Wilmington (New Castle County, DE), 13 January 1996, Rohrbacher–20 February 1996, Gordon, White (Hess 1997)

**Glaucous Gull:** Port of Wilmington (New Castle, DE), 29 December 1995–at least 24 February 1996 (Hess 1997).

## DISCUSSION

Due to the incompleteness of the surviving count data and the variability in the number of count participants and the number of surveyed sites, few comparisons and analyses can be made.

Maryland offered the most complete survey data. For all five years, Ring-billed and (American) Herring Gulls were by far the most numerous species, with Ring-billed always outnumbering Herring. The Maryland high counts were 72,388 Ring-billed on the 1995 survey and 34,230 Herring on the 1992 survey. Great Black-backed ran a distant third, with a high of 1811 on the 1995 survey. Bonaparte's followed next with 785 on the 1995 survey.

Our initial question as to how many Lesser Black-backed Gulls were present in Maryland on any one day was answered by the three most complete surveys: 31 in 1992, 27 in 1994, and 28 in 1995. The answer to our question about the highest number of white-winged gulls present in Maryland on any one day was 12 in 1995 (6 Iceland [Kumlien's], 1 Iceland [Thayer's], and 5 Glaucous).

## POSTSCRIPT

Currently, several landfills have reached their capacity and have closed. Also, there is limited or restricted access to landfills and wastewater treatment plants due to the terrorist attacks on 11 September 2001. Also, climate change (i.e., global warming) is likely reducing the number of white-winged gulls (i.e., Iceland [Kumlien's], Iceland [Thayer's], and Glaucous) wintering in Maryland.

## ACKNOWLEDGMENTS

I thank all of the previously-named Maryland Gull Day participants and the following people who provided extant data for the five Gull Day surveys: Ned Brinkley, Colin Campbell, Barry Cooper, Lynn Davidson, Phil Davis, Gene Hess, Gail Mackiernan, Nancy Magnusson, Paul O'Brien, Jan Reese, Sue Ricciardi, Bob Ringler, Jo Solem, Jim Stasz, Chuck Stirrat, and Hal Wierenga. I thank Jean Woods (Curator of Birds, Delaware Museum of Natural History, Wilmington, DE) for providing access to past issues of *Delmarva Ornithologist* and for searching through the Museum archives for Delaware gull records. I also thank Jane E. Johnson (Director of Exhibits and Special Collections, RTPI) for providing access to Blom's 20 boxes of files archived at RTPI. I express my appreciation to Ellen Lawler for contributing her gull artwork that complemented the article. I also thank Mark S. Johnson (Associate Editor, *Maryland Birdlife*) for reviewing a draft of this article and providing helpful suggestions.

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**"The Gang's All Here" by Ellen Lawler**

This watercolor painted in 2015 was based on Ellen's photos of Herring Gulls resting at the Ocean City Inlet on 1 March 2014.

*Maryland Birdlife* 69(1):34–51

# Maryland Christmas Bird Counts (119th CBC) December 2018 through January 2019

John B. (J.B.) Churchill

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No counts reported having snow during the count nor any on the ground, and nine counts had no rain either (a.m. or p.m.). Four counts reported heavy rain in both the a.m. and p.m. periods of the count (Allegany, Jug Bay, Oakland, and Triadelphia) and four others had heavy rain in one or the other periods, leaving seven counts with only light rain reported throughout the day. Moving water was unfrozen (open) on all counts and only two reported frozen or partly frozen still water (Oakland and Allegany, respectively).

Count names, abbreviated codes, survey dates, and compilers are presented in Table 1.

**Table 1. 2018–2019 Maryland Christmas Bird Counts: count names, abbreviated codes, survey dates, and compilers.**

| Christmas Bird Count | Abbreviation | Survey Date | Compilers |
|---|---|---|---|
| Allegany County | MDAC | 15 DEC 2018 | J.B. Churchill |
| Annapolis-Gibson Island | MDAG | 30 DEC 2018 | Lynn Davidson, Sue Ricciardi, Hal Wierenga |
| Bowie | MDBO | 01 JAN 2019 | Dave Mozurkewich |
| Catoctin Mountain | MDCM | 16 DEC 2018 | Kathy Brown |
| Chesterville | MDCV | 23 DEC 2018 | Maren Gimpel |
| Crisfield | MDCR | 27 DEC 2018 | Paul Bystrak |
| Denton | MDDE | 15 DEC 2018 | Steve Westre |
| Elkton | MDEL | 16 DEC 2018 | Russ Kovach |
| Jug Bay | MDJB | 16 DEC 2018 | Marcia Watson |
| Lower Kent | MDLK | 16 DEC 2018 | Nancy Martin, Walter Ellison |
| Middle River | MDMR | 22 DEC 2018 | Kevin Graff, Pete Webb |
| Oakland | MDOA | 15 DEC 2018 | Connie Skipper |
| Ocean City | MDOC | 28 DEC 2018 | Mark Hoffman |
| Patuxent River | MDPR | 30 DEC 2018 | Andrew Brown |
| Point Lookout | MDPL | 16 DEC 2018 | Bob Boxwell |
| Port Tobacco | MDPT | 16 DEC 2018 | Mike Callahan |
| Rock Run | MDRR | 29 DEC 2018 | Mark Johnson |
| Saint Michaels | MDST | 16 DEC 2018 | Wayne Bell |
| Salisbury | MDSA | 16 DEC 2018 | Mike Walsh |
| Seneca | MDSE | 16 DEC 2018 | Jim Nelson |
| Southern Dorchester | MDSD | 23 DEC 2018 | Bruce Peterjohn |
| Sugarloaf Mountain | MDSM | 30 DEC 2018 | Janet Millenson |
| Triadelphia | MDTR | 15 DEC 2018 | David Holmes |
| Washington County | MDWC | 15 DEC 2018 | Mark Abdy |

Additional effort data (number of participants, total party hours, and number of species) are tabulated in Table 2. Seneca had the most participants (131) and the most feeder counters and hours (16 for 32.5 total hours), but Bowie had the most party hours (256) and party miles (659.2 mi [1060.9 km]). Allegany had the fewest counters (6) and party hours (24.5). Middle River had the fewest party miles (145.19 mi [233.7 km]).

**Table 2. 2018–2019 Maryland Christmas Bird Counts: summary.**

| Christmas Bird Count | Survey Date | Participants | Total Party Hours | Species |
|---|---|---|---|---|
| Allegany County | 15 DEC 2018 | 6 | 24.5 | 49 |
| Annapolis-Gibson Island | 30 DEC 2018 | 75 | 251.65 | 109 |
| Bowie | 01 JAN 2019 | 83 | 256 | 91 |
| Catoctin Mountain | 16 DEC 2018 | 14 | 48 | 63 |
| Chesterville | 23 DEC 2018 | 25 | 30.92 | 100 |
| Crisfield | 27 DEC 2018 | 21 | 107.33 | 118 |
| Denton | 15 DEC 2018 | 14 | 52.5 | 80 |
| Elkton | 16 DEC 2018 | 13 | 28 | 73 |
| Jug Bay | 16 DEC 2018 | 43 | 127.35 | 107 |
| Lower Kent | 16 DEC 2018 | 19 | 81.75 | 111 |
| Middle River | 22 DEC 2018 | 33 | 67.71 | 96 |
| Oakland | 15 DEC 2018 | 18 | 75.25 | 61 |
| Ocean City | 28 DEC 2018 | 55 | 177.8 | 136 |
| Patuxent River | 30 DEC 2018 | 28 | 98.75 | 107 |
| Point Lookout | 16 DEC 2018 | 17 | 44 | 94 |
| Port Tobacco | 16 DEC 2018 | 20 | 56.25 | 71 |
| Rock Run | 29 DEC 2018 | 53 | 103.7 | 99 |
| Saint Michaels | 16 DEC 2018 | 40 | 82.8 | 103 |
| Salisbury | 16 DEC 2018 | 20 | 83.75 | 114 |
| Seneca | 16 DEC 2018 | 131 | 238.25 | 90 |
| Southern Dorchester | 23 DEC 2018 | 18 | 82 | 126 |
| Sugarloaf Mountain | 30 DEC 2018 | 68 | 170.5 | 93 |
| Triadelphia | 15 DEC 2018 | 61 | 131.67 | 76 |
| Washington County | 15 DEC 2018 | 21 | 55.75 | 51 |

The following are some of the highlights from this year's report (Tables 3, 4, and 5). Trumpeter Swans were found on two counts. Annapolis-Gibson Island had the only Red-necked Grebe. Hummingbirds seen were a Rufous at Patuxent River, an Allen's on Point Lookout, and a Calliope on Annapolis-Gibson Island. Iceland Gulls were seen on two counts. There was an Osprey on the Washington County and Sugarloaf Counts (with a count-week sighting for Annapolis-Gibson Island) and a Golden Eagle was found on each of three Eastern Shore counts. Salisbury had a White-eyed Vireo. Jug Bay had a Blue-gray Gnatcatcher. Middle River had an Evening Grosbeak. Jug Bay had 3 Red Crossbills. Catoctin and Chesterville had Lapland Longspurs and Middle River had 5 Snow Buntings. Clay-colored Sparrows were at Crisfield (3) and Salisbury (1). Chesterville had a Gambel's White-crowned Sparrow. Ocean City had 2

Nelson's Sparrows while Crisfield had 1 Saltmarsh Sparrow and 3 undetermined (Nelson's/Saltmarsh). Salisbury and Southern Dorchester each had a Lincoln's Sparrow. Three counts had Orange-crowned Warblers and Rock Run had a Magnolia Warbler. Ocean City had a Dickcissel.

Some songbird low counts were apparent. Jim Nelson reported and all-time low of 8 Yellow-rumped Warblers on the Seneca Count. He noted this as being the lowest count number since 1963.

**Table 3. 2018–2019 Maryland Christmas Bird Counts: Inland counts.**
(bolded species name = unusual for the Maryland counts; bolded number = high count record)

| Species | Oakland | Allegany County | Washington County | Catoctin Mountain | Sugarloaf Mountain | Seneca | Triadelphia Reservoir | Rock Run | Bowie | Elkton | Chesterville |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Snow Goose | | | | | | | | | | 2 | 47,058 |
| Ross's Goose | | | | | | 1 | | | | | 9 |
| Greater White-fronted Goose | | | | | | | | | | | |
| Brant | | | | | | | | | | | |
| Cackling Goose | | | | | 1 | | 1 | 7 | 2 | | |
| Canada Goose | 745 | 328 | 418 | 482 | 4,512 | 2,733 | 6,022 | 8,525 | 9,321 | 1,251 | |
| Mute Swan | | | | | | 1 | | 1 | | | 1 |
| **Trumpeter Swan** | | | | | | | | | | | |
| Tundra Swan | | | | | 2 | | | | | 54 | 346 |
| Wood Duck | cw | | 2 | | 15 | 2 | | | 2 | | 14 |
| Northern Shoveler | | | | | 2 | | | | 66 | | 14 |
| Gadwall | 31 | | | | 2 | 4 | 9 | 1 | 40 | 2 | 91 |
| Eurasian Wigeon | | | | | | 1 | | | | | |
| American Wigeon | | | | | 1 | 35 | | | 10 | 3 | 2 |
| Mallard | 379 | 43 | 169 | 129 | 155 | 482 | 119 | 701 | 668 | 172 | 1,609 |
| Mallard (domestic type) | | | | | | | | | | | |
| American Black Duck x Mallard | | | | | | | | | 1 | | |
| American Black Duck | 66 | 1 | | 2 | 49 | 19 | | 26 | 21 | 6 | 167 |
| Northern Pintail | | | | | | 3 | | | | | 3 |
| Green-winged Teal | | | | | | | | | 1 | | 4 |
| Canvasback | | | | | 8 | | 1 | 374 | 2 | 16 | 13 |
| Redhead | | | | | | 1 | | 3 | | | |
| Ring-necked Duck | 1 | cw | | | 21 | 100 | 77 | 2 | 303 | | 354 |
| Greater Scaup | 3 | | | | | | | 12 | | | |
| Lesser Scaup | 2 | 1 | | | | | | 385 | | | 11 |
| Greater/Lesser Scaup | | | | | | 1 | | 52 | | | |
| Common Eider | | | | | | | | | | | |
| Surf Scoter | | | | | | | | | | | |
| White-winged Scoter | | | | | | | | | | | |

| Species | Oakland | Allegany County | Washington County | Catoctin Mountain | Sugarloaf Mountain | Seneca | Triadelphia Reservoir | Rock Run | Bowie | Elkton | Chesterville |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Black Scoter | | | | | | | | | | | |
| scoter sp. | | | | | | | | | | | |
| Long-tailed Duck | | | | | | | | | | | |
| Bufflehead | cw | 6 | cw | | 38 | 87 | 42 | 126 | 42 | | 15 |
| Common Goldeneye | 6 | 1 | | | 1 | | | 21 | cw | 2 | 29 |
| Hooded Merganser | 65 | 32 | | **5** | 50 | 57 | 45 | 71 | 215 | 4 | 55 |
| Common Merganser | 19 | 15 | 3 | | 41 | 38 | 3,500 | 117 | 2 | 18 | 114 |
| Red-breasted Merganser | | | | | | | | | | | |
| Ruddy Duck | 3 | | | | | cw | 1 | 129 | 37 | | 1 |
| duck sp. | | | | | | 240 | | | | | |
| Northern Bobwhite | | | | | | | | | | | 1 |
| Ruffed Grouse | 1 | | | | | | | | | | |
| Wild Turkey | 130 | 25 | 42 | 5 | 12 | 19 | 40 | | 4 | | 1 |
| Pied-billed Grebe | 1 | | | | 5 | 2 | | 2 | | | 2 |
| Horned Grebe | | 1 | | | | cw | | | | | |
| Red-necked Grebe | | | | | | | | | | | |
| Rock Pigeon | 61 | 101 | 371 | 84 | 422 | 395 | 105 | 115 | 1,054 | 21 | 100 |
| Mourning Dove | 57 | 7 | 107 | 443 | 590 | 328 | 508 | 86 | 1,091 | 35 | 256 |
| Rufous Hummingbird | | | | | | | | | | | |
| Allen's Hummingbird | | | | | | | | | | | |
| Calliope Hummingbird | | | | | | | | | | | |
| Clapper Rail | | | | | | | | | | | |
| King Rail | | | | | | | | | | | |
| Virginia Rail | | | | | | | | | | | |
| *Rallus* sp. | | | | | | | | | | | |
| Sora | | | | | | | | | | | |
| Common Gallinule | | | | | | | | | | | |
| American Coot | | | | | 3 | | | 1 | 6 | | |
| Sandhill Crane | | | | | | 2 | | | | | |
| American Oystercatcher | | | | | | | | | | | |
| Black-bellied Plover | | | | | | | | | | | |
| Killdeer | | | | 1 | 1 | 15 | 1 | 3 | 2 | 2 | 51 |
| Ruddy Turnstone | | | | | | | | | | | |
| Sanderling | | | | | | | | | | | |
| Dunlin | | | | | | | | | | | |
| Purple Sandpiper | | | | | | | | | | | |
| Long-billed Dowitcher | | | | | | | | | | | |
| American Woodcock | | | | | 1 | | | 8 | 4 | | |
| Wilson's Snipe | | | | | | | | | | | |
| Lesser Yellowlegs | | | | | | | | | | | |
| Willet | | | | | | | | | | | |
| Greater Yellowlegs | | | | | | | | | | | |
| jaeger sp. | | | | | | | | | | | |
| Razorbill | | | | | | | | | | | |
| Bonaparte's Gull | | | | | | | | | | | |
| Laughing Gull | | | | | | | | | | | |
| Ring-billed Gull | | | | | 11 | 529 | 239 | 2,345 | 2,843 | 2,169 | 1,164 |
| Herring Gull | | | | | | 11 | | 51 | 165 | 34 | 8 |

| Species | Oakland | Allegany County | Washington County | Catoctin Mountain | Sugarloaf Mountain | Seneca | Triadelphia Reservoir | Rock Run | Bowie | Elkton | Chesterville |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Iceland Gull | | | | | | | | | | | |
| Lesser Black-backed Gull | | | | | | | | | | | |
| Great Black-backed Gull | | | | | | | | 50 | 1 | 64 | 2 |
| gull sp. | | | | | 1 | 55 | | 22 | 24 | | |
| Forster's Tern | | | | | | | | | | | |
| Red-throated Loon | | | | | | | | | | | |
| Common Loon | | | | | | | | | | | |
| Northern Gannet | | | | | | | | | | | |
| Double-crested Cormorant | | | | | | 2 | | 12 | 43 | 23 | 28 |
| Great Cormorant | | | | | | | | | | | |
| American White Pelican | | | | | | | | | | | |
| Brown Pelican | | | | | | | | | | | |
| Great Blue Heron | 3 | 5 | 6 | 5 | 29 | 38 | 9 | 74 | 28 | 21 | 31 |
| Great Egret | | | | | | | | | 1 | | |
| Black-crowned Night-Heron | | | | | | | cw | 5 | | | |
| Glossy Ibis | | | | | | | | | | | |
| Black Vulture | | 1 | | 40 | 145 | 132 | 10 | 561 | 639 | 76 | 296 |
| Turkey Vulture | | | 62 | 219 | 322 | 137 | 13 | 445 | 398 | 73 | 531 |
| new world vulture sp. | | | | | | 100 | | | | | |
| **Osprey** | | | 1 | | 1 | | | | | | |
| Golden Eagle | | | | | | | | | | | |
| Northern Harrier | cw | | | 2 | 4 | 5 | 3 | 4 | | 2 | 8 |
| Sharp-shinned Hawk | | | | 2 | 5 | 5 | 3 | 5 | 8 | | 13 |
| Cooper's Hawk | 2 | 2 | 5 | 2 | 2 | 11 | 8 | 6 | 11 | 3 | 13 |
| Northern Goshawk | | | | | | | | 1 | | | |
| *Accipiter* sp. | | | | | | 2 | | | 2 | | |
| Bald Eagle | 2 | 2 | 2 | 7 | 12 | 23 | 29 | 100 | 73 | 22 | 96 |
| Red-shouldered Hawk | cw | | 7 | 8 | 71 | 52 | 17 | 26 | 44 | 4 | 20 |
| Red-tailed Hawk | 8 | 3 | 16 | 23 | 52 | 19 | 10 | 42 | 48 | 6 | 54 |
| Rough-legged Hawk | | | | | | | | | | | |
| Barn Owl | | | | | | | | | | | |
| Eastern Screech-Owl | 2 | | | | 4 | cw | | 9 | 2 | | 25 |
| Great Horned Owl | cw | | | | 4 | 1 | | 9 | 3 | | 31 |
| Barred Owl | 2 | | | 1 | 7 | 5 | 1 | 3 | 14 | | 22 |
| Short-eared Owl | | | | | | | | | | | |
| Northern Saw-whet Owl | | | | | | | | 1 | | | 4 |
| Belted Kingfisher | 5 | 2 | 8 | 5 | 22 | 20 | 8 | 18 | 33 | 8 | 15 |
| Red-headed Woodpecker | | | | 1 | 1 | 67 | | | | | |
| Red-bellied Woodpecker | 14 | 2 | 39 | 44 | 181 | 295 | 69 | 68 | 316 | 14 | 143 |
| Yellow-bellied Sapsucker | 2 | 1 | 4 | 11 | 33 | 84 | 9 | 24 | 30 | 4 | 25 |
| Downy Woodpecker | 32 | 8 | 44 | 27 | 199 | 165 | 71 | 76 | 184 | 19 | 68 |
| Hairy Woodpecker | 18 | 3 | 2 | 10 | 50 | 35 | 6 | 13 | 39 | 6 | 34 |
| Northern Flicker | 1 | 3 | 20 | 42 | 175 | 238 | 71 | 54 | 249 | 28 | 106 |
| Pileated Woodpecker | 6 | 2 | 20 | 7 | 76 | 70 | 13 | 26 | 64 | 1 | 18 |
| American Kestrel | 1 | 3 | 6 | 17 | 19 | 6 | 2 | 2 | 7 | 3 | 17 |
| Merlin | | | | | 3 | 2 | 1 | 1 | | | |
| Peregrine Falcon | | 1 | 1 | | | | | 2 | | | 2 |
| Eastern Phoebe | | | | 1 | 4 | 1 | 1 | 5 | 2 | | 2 |

| Species | Oakland | Allegany County | Washington County | Catoctin Mountain | Sugarloaf Mountain | Seneca | Triadelphia Reservoir | Rock Run | Bowie | Elkton | Chesterville |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **White-eyed Vireo** | | | | | | | | | | | |
| Blue-headed Vireo | | | | | | | | | | | |
| Blue Jay | 63 | 12 | 64 | 107 | 398 | 895 | 298 | 148 | 790 | 105 | 557 |
| American Crow | 2,388 | 28 | 90 | 71 | 830 | 560 | 2,706 | 193 | 2,243 | 134 | 127 |
| Fish Crow | | | | | 695 | **2,456** | 144 | 4 | 953 | 113 | 1 |
| crow sp. | | | | 3 | 724 | 1,237 | 637 | 11 | 1,227 | | 2 |
| Common Raven | 14 | 2 | 2 | 3 | 14 | 6 | 5 | 2 | 5 | | |
| Horned Lark | 15 | | | 352 | 8 | 10 | 20 | 18 | | 9 | 241 |
| Tree Swallow | | | | | | | | | | | |
| Carolina Chickadee | | | 59 | 47 | 180 | 236 | 96 | 158 | 319 | 74 | 203 |
| Black-capped Chickadee | 414 | 11 | | | | | | | | | |
| Tufted Titmouse | 147 | 7 | 30 | 16 | 125 | 83 | 58 | 97 | 192 | 73 | 120 |
| Red-breasted Nuthatch | 11 | cw | 4 | | 16 | 6 | 10 | 12 | 56 | | 42 |
| White-breasted Nuthatch | 66 | 4 | 30 | 29 | 213 | 180 | 47 | 61 | 185 | 27 | 110 |
| Brown-headed Nuthatch | | | | | | | | | | | |
| Brown Creeper | 10 | cw | 7 | 3 | 67 | 53 | 7 | 10 | 37 | 6 | 50 |
| House Wren | | | | | | | | 2 | 2 | | 1 |
| Winter Wren | | 1 | 9 | 2 | 20 | 23 | 10 | 23 | 67 | 3 | 26 |
| Sedge Wren | | | | | | | | | | | |
| Marsh Wren | | | | | | | | | | | |
| Carolina Wren | 20 | 13 | 43 | 57 | 400 | 360 | 132 | 221 | 612 | 57 | 257 |
| **Blue-gray Gnatcatcher** | | | | | | | | | | | |
| Golden-crowned Kinglet | 16 | cw | 13 | 15 | 59 | 35 | 17 | 19 | 101 | 6 | 78 |
| Ruby-crowned Kinglet | 1 | | | | 11 | 15 | | 6 | 8 | 2 | 14 |
| kinglet sp. | | | | | | | 1 | | | | |
| Eastern Bluebird | | 19 | 62 | 37 | 297 | 239 | 115 | 126 | 208 | 45 | 172 |
| Hermit Thrush | 1 | cw | | | 21 | 10 | 2 | 15 | 32 | 3 | 44 |
| American Robin | | 32 | 71 | 83 | 317 | 565 | 2,432 | 136 | 7,370 | 592 | 1,176 |
| Gray Catbird | | | | | 2 | 1 | 1 | 1 | 5 | | 7 |
| Brown Thrasher | | | | | | | 3 | 1 | 16 | | 14 |
| Northern Mockingbird | cw | 7 | 26 | 26 | 148 | 92 | 58 | 60 | 118 | 37 | 119 |
| European Starling | 619 | 523 | 2,826 | 2,956 | 4,604 | 1,623 | 2,590 | 5,577 | 14,535 | 2,155 | 4,067 |
| Cedar Waxwing | cw | cw | 48 | 11 | 147 | 484 | 267 | 8 | 229 | 15 | 16 |
| House Sparrow | 101 | 27 | 27 | 106 | 172 | 175 | 52 | 114 | 321 | 80 | 147 |
| American Pipit | | | | | 50 | | | | 13 | | 158 |
| Evening Grosbeak | | | | | | | | | | | |
| House Finch | 35 | 14 | 38 | 39 | 62 | 55 | 42 | 59 | 227 | 26 | 67 |
| Purple Finch | 1 | 3 | 8 | 3 | 40 | 7 | 11 | 7 | 51 | 1 | 17 |
| **Red Crossbill** | | | | | | | | | | | |
| Pine Siskin | 4 | | 7 | 4 | 5 | 4 | 23 | 2 | 3 | | |
| American Goldfinch | 33 | 20 | 41 | 46 | 151 | 227 | 141 | 94 | 272 | 93 | 135 |
| Lapland Longspur | | | | 1 | | | | | | | 3 |
| Snow Bunting | | | | | | | | | | | |
| Chipping Sparrow | 1 | | 2 | 10 | 9 | 28 | 12 | 19 | 40 | | 67 |
| Clay-colored Sparrow | | | | | | | | | | | |
| Field Sparrow | 4 | 5 | | 5 | 56 | 50 | 62 | 88 | 130 | 10 | 146 |
| Fox Sparrow | | | | 1 | 3 | 5 | 23 | 3 | 47 | 1 | 32 |
| American Tree Sparrow | 20 | | | | 1 | 2 | | | | 1 | 3 |

| Species | Oakland | Allegany County | Washington County | Catoctin Mountain | Sugarloaf Mountain | Seneca | Triadelphia Reservoir | Rock Run | Bowie | Elkton | Chesterville |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dark-eyed Junco | 215 | 40 | 166 | 239 | 878 | 814 | 906 | 365 | 1,357 | 558 | 1,135 |
| White-crowned Sparrow | | 1 | 17 | 18 | 107 | 2 | 33 | 2 | 25 | 2 | 301 |
| White-crowned Sparrow (Gambel's) | | | | | | | | | | | 1 |
| White-throated Sparrow | 15 | 74 | 167 | 342 | 1,545 | 1,620 | 1,774 | 1,392 | 2,347 | 363 | 1,712 |
| Vesper Sparrow | | | | | | | | 1 | | | |
| Seaside Sparrow | | | | | | | | | | | |
| Nelson's Sparrow | | | | | | | | | | | |
| Saltmarsh Sparrow | | | | | | | | | | | |
| Nelson's/Saltmarsh Sparrow | | | | | | | | | | | |
| Savannah Sparrow | | | | | 8 | 9 | 73 | 18 | 21 | 1 | 87 |
| Savannah Sparrow (Ipswich) | | | | | | | | | | | |
| Song Sparrow | 33 | 35 | 35 | 45 | 584 | 475 | 473 | 453 | 919 | 148 | 1,193 |
| Lincoln's Sparrow | | | | | | | | | | | |
| Swamp Sparrow | 8 | | | 2 | 35 | 40 | 26 | 113 | 144 | 13 | 142 |
| sparrow sp. | | | | | | | | | | | |
| Eastern Towhee | 3 | | | 1 | 25 | 30 | 40 | 60 | 115 | 7 | 91 |
| Eastern Meadowlark | | | | | 23 | 2 | | 1 | 14 | | 13 |
| Red-winged Blackbird | 40 | | | 282 | 30 | 731 | 221 | 2,018 | 3,668 | 1,836 | 10,838 |
| Brown-headed Cowbird | | | | 1 | 157 | 8 | 2 | 351 | 252 | 19 | 16 |
| blackbird sp. | | | | | 10 | 310 | | 4,699 | 2 | | |
| Rusty Blackbird | 6 | | | 2 | 1 | 2 | | | 1 | | |
| Common Grackle | | | 8 | | | | 7 | 22,765 | 6,029 | 539 | 7,703 |
| Boat-tailed Grackle | | | | | | | | | | | |
| Orange-crowned Warbler | | | | | | | | 2 | | | |
| Common Yellowthroat | 1 | | | | cw | | | | | | 1 |
| Magnolia Warbler | | | | | | | | 1 | | | |
| Palm Warbler | | | | | 1 | | | | | | |
| Palm Warbler (western) | | | | | | | | | | | 4 |
| Palm Warbler (yellow) | | | | | | | | | | | 12 |
| Pine Warbler | | | | | 1 | | cw | | | 1 | |
| Yellow-rumped Warbler | | 7 | | | 7 | 8 | 1 | 7 | 34 | 23 | 7 |
| Northern Cardinal | 92 | 62 | 236 | 203 | 589 | 699 | 433 | 387 | 785 | 122 | 501 |
| Rose-breasted Grosbeak | | | | | | | | | | | |
| Dickcissel | | | | | | | | | | | |

**Table 4. 2018–2019 Maryland Christmas Bird Counts: tidewater counts (Western Shore).** (bolded species name = unusual for the Maryland counts; bolded number = high count record)

| Species | Annapolis-Gibson Island | Middle River | Patuxent River | Jug Bay | Point Lookout |
|---|---|---|---|---|---|
| Snow Goose | | | | 1 | |
| Ross's Goose | | | | | |
| Greater White-fronted Goose | | | | 1 | |
| Brant | | | | | |
| Cackling Goose | 3 | | 1 | 3 | |
| Canada Goose | 8,256 | 1,949 | 2,713 | 11,410 | 1,632 |
| Mute Swan | | | 2 | | |
| **Trumpeter Swan** | | | | | |
| Tundra Swan | 63 | | 42 | 38 | 9 |
| Wood Duck | 5 | | 2 | 2 | |
| Northern Shoveler | 5 | 10 | | 7 | |
| Gadwall | 53 | 82 | 31 | 60 | |
| Eurasian Wigeon | | | | | |
| American Wigeon | 1 | 9 | 2 | | 2 |
| Mallard | 1,022 | 332 | 242 | 629 | 55 |
| Mallard (domestic type) | | | | 1 | |
| American Black Duck x Mallard | | | | | |
| American Black Duck | 53 | 27 | 12 | 86 | 1 |
| Northern Pintail | 3 | 2 | **4** | 2 | |
| Green-winged Teal | | 2 | | 6 | |
| Canvasback | 3,539 | 86 | 62 | 459 | 1 |
| Redhead | 3 | | | | |
| Ring-necked Duck | 14 | 13 | 42 | 86 | |
| Greater Scaup | 3,568 | 2 | 81 | 97 | 3 |
| Lesser Scaup | 4,134 | 680 | 114 | 8 | 5 |
| Greater/Lesser Scaup | 3,456 | 25 | | | |
| Common Eider | | | | | |
| Surf Scoter | 230 | | 34 | 45 | 46 |
| White-winged Scoter | | | | | 1 |
| Black Scoter | 22 | | 71 | 40 | 1,096 |
| scoter sp. | 2 | | | | |
| Long-tailed Duck | 621 | 18 | 86 | | 55 |
| Bufflehead | 2,277 | 112 | 482 | 202 | 299 |
| Common Goldeneye | 152 | 5 | 40 | 7 | 88 |
| Hooded Merganser | 110 | 86 | 26 | 30 | 16 |
| Common Merganser | 10 | 51 | 2 | 40 | |
| Red-breasted Merganser | 65 | 5 | 41 | | 32 |
| Ruddy Duck | 4,493 | 256 | 1,098 | 1,102 | 304 |

| Species | Annapolis-Gibson Island | Middle River | Patuxent River | Jug Bay | Point Lookout |
|---|---|---|---|---|---|
| duck sp. | | | | | |
| Northern Bobwhite | | | | | |
| Ruffed Grouse | | | | | |
| Wild Turkey | cw | 8 | **28** | 9 | 13 |
| Pied-billed Grebe | 5 | 17 | 1 | 3 | |
| Horned Grebe | 16 | 2 | 92 | 9 | 110 |
| Red-necked Grebe | 1 | | | | |
| Rock Pigeon | 191 | 87 | 17 | 92 | |
| Mourning Dove | 376 | 119 | 142 | 288 | 71 |
| Rufous Hummingbird | | | 1 | | |
| Allen's Hummingbird | | | | | 1 |
| Calliope Hummingbird | 1 | | | | |
| Clapper Rail | | | | | |
| King Rail | | | | | |
| Virginia Rail | 6 | 4 | | 9 | |
| *Rallus* sp. | | | | | |
| Sora | 1 | | | | |
| Common Gallinule | | | | | |
| American Coot | 17 | | 54 | | |
| Sandhill Crane | | | | | |
| American Oystercatcher | | | | | |
| Black-bellied Plover | | | | | |
| Killdeer | 6 | 3 | 10 | 9 | |
| Ruddy Turnstone | | | | | |
| Sanderling | | | | | 1 |
| Dunlin | | | | | |
| Purple Sandpiper | | | | 4 | |
| Long-billed Dowitcher | | | | | |
| American Woodcock | | | 1 | | 7 |
| Wilson's Snipe | | | | 37 | |
| Lesser Yellowlegs | | | | | |
| Willet | | | | | |
| Greater Yellowlegs | | | | | |
| jaeger sp. | | | | | |
| Razorbill | | | | | |
| Bonaparte's Gull | 2 | 6 | | | 25 |
| Laughing Gull | 2 | 62 | | | 21 |
| Ring-billed Gull | 899 | 4,307 | 1,038 | 901 | 1,932 |
| Herring Gull | 335 | 1,971 | 24 | 251 | 135 |
| Iceland Gull | 1 | | | | |
| Lesser Black-backed Gull | 1 | 4 | | 1 | |
| Great Black-backed Gull | 480 | 226 | 11 | 55 | 27 |
| gull sp. | 22 | 297 | | 31 | |
| Forster's Tern | | | | | |

| Species | Annapolis-Gibson Island | Middle River | Patuxent River | Jug Bay | Point Lookout |
|---|---|---|---|---|---|
| Red-throated Loon | 3 | | | | 1 |
| Common Loon | 7 | | 100 | 4 | 56 |
| Northern Gannet | | | | | |
| Double-crested Cormorant | 4,193 | 105 | 22 | 28 | 79 |
| Great Cormorant | | | | | 3 |
| American White Pelican | | | | | |
| Brown Pelican | | | 2 | | 16 |
| Great Blue Heron | 73 | 31 | 26 | 34 | 16 |
| Great Egret | | | | | |
| Black-crowned Night-Heron | | | | | |
| Glossy Ibis | | | | | |
| Black Vulture | 250 | 104 | 102 | 306 | 66 |
| Turkey Vulture | 129 | 218 | 97 | 59 | 58 |
| new world vulture sp. | | | | | |
| **Osprey** | cw | | | | |
| Golden Eagle | | | | | |
| Northern Harrier | | 5 | 6 | 5 | 5 |
| Sharp-shinned Hawk | 8 | 5 | 5 | 4 | 1 |
| Cooper's Hawk | 14 | 8 | 1 | 7 | 2 |
| Northern Goshawk | | | | | |
| *Accipiter* sp. | | | | | |
| Bald Eagle | 71 | 77 | 27 | 55 | 29 |
| Red-shouldered Hawk | 27 | 9 | 15 | 16 | 8 |
| Red-tailed Hawk | 26 | 24 | 13 | 8 | 6 |
| Rough-legged Hawk | | | 1 | | |
| Barn Owl | | | | 2 | |
| Eastern Screech-Owl | 11 | 1 | 9 | | 3 |
| Great Horned Owl | 4 | 2 | 8 | 1 | 7 |
| Barred Owl | 1 | | 3 | 5 | |
| Short-eared Owl | | | 3 | | |
| Northern Saw-whet Owl | | | 1 | | |
| Belted Kingfisher | 50 | 20 | 20 | 10 | 4 |
| Red-headed Woodpecker | | | 7 | | |
| Red-bellied Woodpecker | 233 | 57 | 97 | 114 | 31 |
| Yellow-bellied Sapsucker | 63 | 9 | 17 | 22 | 9 |
| Downy Woodpecker | 182 | 57 | 60 | 60 | 14 |
| Hairy Woodpecker | 31 | 4 | 6 | 15 | 1 |
| Northern Flicker | 81 | 41 | 41 | 135 | 34 |
| Pileated Woodpecker | 38 | 11 | 11 | 17 | 2 |
| American Kestrel | | 1 | 8 | 8 | 3 |
| Merlin | 4 | 1 | 3 | 2 | |
| Peregrine Falcon | 2 | 1 | 1 | | |
| Eastern Phoebe | 3 | | 10 | 2 | 1 |
| **White-eyed Vireo** | | | | | |

| Species | Annapolis-Gibson Island | Middle River | Patuxent River | Jug Bay | Point Lookout |
|---|---|---|---|---|---|
| Blue-headed Vireo | | | | | |
| Blue Jay | 740 | 148 | 247 | 363 | 86 |
| American Crow | 465 | 151 | 343 | 341 | 262 |
| Fish Crow | 73 | 402 | 1 | 21 | |
| crow sp. | 37 | 138 | | 46 | |
| Common Raven | 1 | 4 | | | |
| Horned Lark | | | 10 | 6 | |
| Tree Swallow | | | | | |
| Carolina Chickadee | 459 | 98 | 92 | 139 | 66 |
| Black-capped Chickadee | | | | | |
| Tufted Titmouse | 282 | 46 | 93 | 95 | 69 |
| Red-breasted Nuthatch | 32 | 12 | 18 | 6 | 6 |
| White-breasted Nuthatch | 217 | 48 | 60 | 36 | |
| Brown-headed Nuthatch | | | 11 | | 33 |
| Brown Creeper | 30 | 6 | 8 | 6 | 7 |
| House Wren | 1 | 1 | | 1 | |
| Winter Wren | 55 | 11 | 3 | 16 | 4 |
| Sedge Wren | | | | | |
| Marsh Wren | 3 | 1 | | | |
| Carolina Wren | 401 | 113 | **178** | 212 | 56 |
| **Blue-gray Gnatcatcher** | | | | 1 | |
| Golden-crowned Kinglet | 38 | 13 | 24 | 8 | 8 |
| Ruby-crowned Kinglet | 30 | 8 | 9 | 14 | 9 |
| kinglet sp. | 4 | | | | |
| Eastern Bluebird | 189 | 45 | 96 | 163 | 75 |
| Hermit Thrush | 77 | 8 | 27 | 16 | 4 |
| American Robin | 4,160 | 512 | 306 | 1,129 | 76 |
| Gray Catbird | 12 | 2 | 1 | 6 | |
| Brown Thrasher | 21 | 1 | 7 | 17 | 6 |
| Northern Mockingbird | 105 | 31 | 58 | 60 | 34 |
| European Starling | 1,203 | 981 | 1,249 | 2,428 | 239 |
| Cedar Waxwing | 927 | 11 | 124 | 925 | 152 |
| House Sparrow | 338 | 156 | 85 | 82 | 6 |
| American Pipit | 1 | | 8 | | |
| Evening Grosbeak | | 1 | | | |
| House Finch | 155 | 50 | 72 | 62 | 3 |
| Purple Finch | 4 | **33** | 2 | 9 | 3 |
| **Red Crossbill** | | | | 3 | |
| Pine Siskin | 1 | | | 3 | 1 |
| American Goldfinch | 284 | 133 | 94 | 161 | 38 |
| Lapland Longspur | | | | | |
| Snow Bunting | | 5 | | | |
| Chipping Sparrow | 36 | | 23 | 12 | 10 |
| Clay-colored Sparrow | | | | | |

| Species | Annapolis-Gibson Island | Middle River | Patuxent River | Jug Bay | Point Lookout |
|---|---|---|---|---|---|
| Field Sparrow | 52 | 30 | 15 | 82 | 28 |
| Fox Sparrow | 22 | 6 | 2 | 7 | 4 |
| American Tree Sparrow | 1 | | | | |
| Dark-eyed Junco | 1,131 | 344 | 505 | 920 | 209 |
| White-crowned Sparrow | | | 6 | 1 | 1 |
| White-crowned Sparrow (Gambel's) | | | | | |
| White-throated Sparrow | 1,609 | 611 | 616 | 1,793 | 255 |
| Vesper Sparrow | | | | | |
| Seaside Sparrow | | | | | |
| Nelson's Sparrow | | | | | |
| Saltmarsh Sparrow | | | | | |
| Nelson's/Saltmarsh Sparrow | | | | | |
| Savannah Sparrow | | | 41 | 23 | 2 |
| Savannah Sparrow (Ipswich) | | | | | |
| Song Sparrow | 370 | 225 | 135 | 457 | 97 |
| Lincoln's Sparrow | | | | | |
| Swamp Sparrow | 34 | 77 | 26 | 101 | 22 |
| sparrow sp. | | 7 | | | |
| Eastern Towhee | 86 | 30 | 29 | 60 | 10 |
| Eastern Meadowlark | | | 34 | 2 | 33 |
| Red-winged Blackbird | 914 | 435 | 495 | 37,670 | 3,655 |
| Brown-headed Cowbird | 33 | 62 | | 115 | 67 |
| blackbird sp. | 49 | 1,038 | | 1,020 | |
| Rusty Blackbird | | 17 | | 21 | |
| Common Grackle | 329 | 652 | 49 | 5,920 | 5,602 |
| Boat-tailed Grackle | | | | | |
| Orange-crowned Warbler | | | | | 1 |
| Common Yellowthroat | | | | 1 | |
| Magnolia Warbler | | | | | |
| Palm Warbler | | | | | |
| Palm Warbler (western) | | | | | |
| Palm Warbler (yellow) | | | | | |
| Pine Warbler | 1 | | | cw | 2 |
| Yellow-rumped Warbler | 20 | 15 | 19 | 13 | 21 |
| Northern Cardinal | 829 | 202 | 218 | 437 | 156 |
| Rose-breasted Grosbeak | | | | | cw |
| Dickcissel | | | | | |

**Table 5. 2018–2019 Maryland Christmas Bird Counts: tidewater counts (Eastern Shore).** (bolded species name = unusual for the Maryland counts; bolded number = high count record)

| Species | Lower Kent County | Denton | Port Tobacco | St. Michaels | Southern Dorchester County | Crisfield | Salisbury | Ocean City |
|---|---|---|---|---|---|---|---|---|
| Snow Goose | 5,073 | | | 1 | | | 2 | 5,956 |
| Ross's Goose | | | | | | | | |
| Greater White-fronted Goose | 1 | | | | | | | |
| Brant | | | | | | | | 1,434 |
| Cackling Goose | 8 | | | 3 | | | 2 | 1 |
| Canada Goose | 34,150 | 1,710 | 1,456 | 27,507 | 8,039 | 931 | 8,500 | 8,792 |
| Mute Swan | | | | | 1 | | | 2 |
| **Trumpeter Swan** | 1 | | | | | | 3 | |
| Tundra Swan | 168 | 24 | 30 | 254 | 735 | **444** | 265 | 366 |
| Wood Duck | 2 | 2 | | 4 | 12 | 22 | 21 | |
| Northern Shoveler | 95 | | | 2 | 62 | | 2 | 131 |
| Gadwall | 274 | | | 1 | 38 | 29 | 17 | 153 |
| Eurasian Wigeon | | | | | | | | |
| American Wigeon | 3 | | | | | 1 | 12 | 79 |
| Mallard | 1,698 | 78 | 29 | 198 | 909 | 116 | 146 | 2,928 |
| Mallard (domestic type) | | | | | | | | |
| American Black Duck x Mallard | 4 | | | | 6 | | | 10 |
| American Black Duck | 416 | 14 | | 7 | 292 | 703 | 59 | 1,013 |
| Northern Pintail | 56 | | | 4 | 679 | 18 | | 56 |
| Green-winged Teal | 47 | | | | 28 | 12 | 2 | 27 |
| Canvasback | 5,715 | | 9 | 457 | 2,291 | 16 | 2 | 196 |
| Redhead | 12 | | | 1 | 447 | | | 2 |
| Ring-necked Duck | 145 | 7 | | | 126 | | 32 | 245 |
| Greater Scaup | 8,316 | | | 42 | 2 | | 10 | 1 |
| Lesser Scaup | 2,359 | 2 | | 213 | 52 | 9 | | 117 |
| Greater/Lesser Scaup | 4,377 | | 2 | | 100 | | | |
| Common Eider | | | | | | | | 25 |
| Surf Scoter | | | | 1,177 | 12 | 617 | | 137 |
| White-winged Scoter | | | | | | 1 | | |
| Black Scoter | 4 | | | 4,004 | | 39 | | 333 |
| scoter sp. | | | | | | 275 | | 29 |

| Species | Lower Kent County | Denton | Port Tobacco | St. Michaels | Southern Dorchester County | Crisfield | Salisbury | Ocean City |
|---|---|---|---|---|---|---|---|---|
| Long-tailed Duck | 35 | | 5 | 69 | 2 | 48 | | 111 |
| Bufflehead | 324 | 9 | 66 | 1,473 | 681 | 2,343 | 33 | 1,085 |
| Common Goldeneye | 46 | | | 153 | 34 | 14 | | 4 |
| Hooded Merganser | 40 | 2 | | 55 | 201 | **162** | 18 | 303 |
| Common Merganser | | 33 | | | 62 | | | 4 |
| Red-breasted Merganser | 14 | | | 15 | 6 | 28 | 3 | 184 |
| Ruddy Duck | 649 | 53 | 8 | 1,433 | 284 | 852 | 18 | 310 |
| duck sp. | | | | | | | | |
| Northern Bobwhite | | | | | | | | |
| Ruffed Grouse | | | | | | | | |
| Wild Turkey | 41 | 50 | | 42 | | 18 | 24 | 1 |
| Pied-billed Grebe | 1 | | | 1 | 2 | 2 | 3 | 12 |
| Horned Grebe | 3 | | | 31 | 31 | 27 | | 29 |
| Red-necked Grebe | | | | | | | | |
| Rock Pigeon | 16 | 192 | | 23 | 6 | 367 | 78 | 270 |
| Mourning Dove | 211 | 556 | 17 | 204 | 25 | 211 | 229 | 173 |
| Rufous Hummingbird | | | | | | | | |
| Allen's Hummingbird | | | | | | | | |
| Calliope Hummingbird | | | | | | | | |
| Clapper Rail | | | | | 3 | 20 | 1 | |
| King Rail | | | | | 2 | | | |
| Virginia Rail | 1 | | | | 38 | 23 | 5 | 1 |
| *Rallus* sp. | | | | | 1 | 3 | | |
| Sora | | | | | | | | |
| Common Gallinule | | | | | 1 | | | |
| American Coot | | | | | 26 | | 12 | 13 |
| Sandhill Crane | | | | | | | | |
| American Oystercatcher | | | | | | | | 2 |
| Black-bellied Plover | | | | | 4 | | | 1 |
| Killdeer | 16 | 3 | 1 | 36 | 2 | 13 | 30 | 94 |
| Ruddy Turnstone | | | | | | | | 9 |
| Sanderling | | | | | | | | 43 |
| Dunlin | | | | | 102 | 437 | **93** | 740 |
| Purple Sandpiper | | | | | | | | 2 |
| Long-billed Dowitcher | | | | | | 13 | | |
| American Woodcock | 4 | | | cw | 3 | | 1 | 4 |

| Species | Lower Kent County | Denton | Port Tobacco | St. Michaels | Southern Dorchester County | Crisfield | Salisbury | Ocean City |
|---|---|---|---|---|---|---|---|---|
| Wilson's Snipe | 1 | 6 | | | 3 | 6 | 1 | 2 |
| Lesser Yellowlegs | | | | | 15 | 24 | **5** | 3 |
| Willet | | | | | | | | 9 |
| Greater Yellowlegs | | | | | 34 | 97 | 8 | 40 |
| jaeger sp. | | | | | | | | 1 |
| Razorbill | | | | | | | | 30 |
| Bonaparte's Gull | | | | 1 | | 3 | 1 | 1 |
| Laughing Gull | | | | | | | 3 | |
| Ring-billed Gull | 5,692 | 89 | 803 | 542 | 1,659 | 1,101 | 3,250 | 3,445 |
| Herring Gull | 74 | 263 | 27 | 109 | 360 | 1,467 | 1,487 | 1,150 |
| Iceland Gull | | | | | | | | 1 |
| Lesser Black-backed Gull | | | | | | | 4 | 5 |
| Great Black-backed Gull | 13 | 3 | | 19 | 2 | 22 | 165 | 203 |
| gull sp. | | 35 | 88 | | | | 285 | |
| Forster's Tern | | | | | 1 | | | 93 |
| Red-throated Loon | | | | | 1 | 1 | | 286 |
| Common Loon | 7 | | | 16 | 10 | 19 | | 83 |
| Northern Gannet | | | | 1 | | | | 421 |
| Double-crested Cormorant | 335 | 7 | 41 | 5 | 5 | 5 | 26 | 23 |
| Great Cormorant | 2 | | | | | | | |
| American White Pelican | | | | | 33 | | | 6 |
| Brown Pelican | | | | | | | | |
| Great Blue Heron | 29 | 13 | 9 | 26 | 116 | 89 | 25 | 103 |
| Great Egret | | | | 1 | 1 | 3 | | 1 |
| Black-crowned Night-Heron | | | | | 2 | 18 | | |
| Glossy Ibis | | | | | | 3 | | |
| Black Vulture | 47 | 21 | 107 | 82 | 87 | 144 | 57 | 146 |
| Turkey Vulture | 249 | 152 | 127 | 221 | 299 | 602 | 395 | 720 |
| new world vulture sp. | | | | | | | | |
| **Osprey** | | | | | | | | |
| Golden Eagle | 1 | | | 1 | 1 | | | |
| Northern Harrier | 10 | 3 | 3 | 2 | 65 | 51 | 9 | 11 |
| Sharp-shinned Hawk | 5 | 2 | | 9 | 4 | 3 | 3 | 13 |
| Cooper's Hawk | 4 | 3 | 3 | 11 | 3 | 9 | 2 | 6 |
| Northern Goshawk | | | | | | | | |
| *Accipiter* sp. | | | | | | | | |

| Species | Lower Kent County | Denton | Port Tobacco | St. Michaels | Southern Dorchester County | Crisfield | Salisbury | Ocean City |
|---|---|---|---|---|---|---|---|---|
| Bald Eagle | 107 | | 41 | 39 | 156 | 126 | 63 | 95 |
| Red-shouldered Hawk | 4 | 7 | 5 | 4 | 7 | **15** | **16** | 2 |
| Red-tailed Hawk | 19 | 16 | 5 | 17 | 11 | 19 | 18 | 15 |
| Rough-legged Hawk | | | | | 1 | | | |
| Barn Owl | | | | | | | | |
| Eastern Screech-Owl | 17 | 4 | 1 | 23 | 33 | 21 | 16 | 16 |
| Great Horned Owl | 10 | 3 | 1 | 2 | 41 | 18 | 8 | 2 |
| Barred Owl | 2 | 5 | | | 4 | | | 1 |
| Short-eared Owl | | | | | 11 | 3 | | |
| Northern Saw-whet Owl | | | | | 1 | | | |
| Belted Kingfisher | 16 | 3 | 8 | 13 | 23 | 31 | 14 | 20 |
| Red-headed Woodpecker | | | 13 | | 4 | 1 | **2** | |
| Red-bellied Woodpecker | 109 | 32 | 71 | 96 | 72 | 57 | 76 | 61 |
| Yellow-bellied Sapsucker | 12 | 4 | 14 | 14 | 1 | 6 | 23 | 3 |
| Downy Woodpecker | 32 | 25 | 11 | 26 | 84 | 39 | 47 | 40 |
| Hairy Woodpecker | 12 | 5 | 1 | 6 | 10 | 10 | 7 | 13 |
| Northern Flicker | 83 | 30 | 168 | 80 | 42 | 62 | 52 | 93 |
| Pileated Woodpecker | 9 | 11 | 12 | 7 | 26 | **28** | 22 | 5 |
| American Kestrel | 5 | 14 | 6 | 3 | 5 | 19 | 11 | 12 |
| Merlin | | | | 2 | 3 | 5 | 1 | 5 |
| Peregrine Falcon | 2 | | 2 | 2 | 1 | | | 1 |
| Eastern Phoebe | 1 | 2 | 3 | | 3 | 5 | 4 | 4 |
| **White-eyed Vireo** | | | | | | | 1 | |
| Blue-headed Vireo | | | | | | 1 | | |
| Blue Jay | 709 | 179 | 290 | 486 | 129 | 23 | 174 | 92 |
| American Crow | 90 | 25 | 184 | 212 | 511 | 614 | 615 | **728** |
| Fish Crow | | 77 | 1 | | 1,432 | 65 | 278 | 307 |
| crow sp. | 5 | | 4 | 15 | 786 | | 123 | 24 |
| Common Raven | | | 1 | | | | | |
| Horned Lark | 17 | 159 | | 27 | | 15 | 26 | 4 |
| Tree Swallow | | | | | | | 2 | cw |
| Carolina Chickadee | 50 | 55 | 31 | 90 | 100 | 146 | 120 | 168 |
| Black-capped Chickadee | | | | | | | | |
| Tufted Titmouse | 55 | 32 | 60 | 47 | 38 | 45 | 61 | 117 |
| Red-breasted Nuthatch | 12 | 23 | | 50 | 6 | 10 | 19 | 11 |
| White-breasted Nuthatch | 55 | 20 | 8 | 29 | 20 | 4 | 7 | 4 |

| Species | Lower Kent County | Denton | Port Tobacco | St. Michaels | Southern Dorchester County | Crisfield | Salisbury | Ocean City |
|---|---|---|---|---|---|---|---|---|
| Brown-headed Nuthatch | 11 | | | 15 | 189 | 90 | 20 | 21 |
| Brown Creeper | 14 | 5 | 2 | 7 | 8 | 14 | 19 | 14 |
| House Wren | 2 | | | | 5 | 8 | **12** | 3 |
| Winter Wren | 6 | 4 | | 6 | 10 | 35 | 9 | 18 |
| Sedge Wren | | | | | 2 | 10 | | |
| Marsh Wren | | | | | 19 | 39 | 3 | 1 |
| Carolina Wren | 147 | 47 | 55 | 87 | 70 | 131 | 95 | 198 |
| **Blue-gray Gnatcatcher** | | | | | | | | |
| Golden-crowned Kinglet | 8 | 4 | 5 | 23 | 33 | 63 | 57 | 110 |
| Ruby-crowned Kinglet | 13 | | 27 | 5 | 36 | 23 | 15 | 9 |
| kinglet sp. | | | | | | | | |
| Eastern Bluebird | 144 | 52 | 44 | 291 | 97 | 150 | 118 | 152 |
| Hermit Thrush | 12 | 12 | 4 | 10 | 22 | 55 | 21 | 7 |
| American Robin | 282 | 387 | 341 | 764 | 505 | 545 | 1,458 | 3,768 |
| Gray Catbird | 3 | | 1 | 1 | 9 | 18 | 12 | 8 |
| Brown Thrasher | 14 | 4 | 9 | 16 | 12 | 21 | 14 | 4 |
| Northern Mockingbird | 76 | 34 | 23 | 66 | 32 | 40 | 49 | 45 |
| European Starling | 3,142 | 1,997 | 484 | 1,420 | 637 | 993 | 1,335 | 3,855 |
| Cedar Waxwing | 13 | 52 | 54 | 422 | 35 | | 43 | 62 |
| House Sparrow | 19 | 132 | 2 | 65 | 12 | 35 | 15 | 199 |
| American Pipit | | 32 | | | | 2 | | |
| Evening Grosbeak | | | | | | | | |
| House Finch | 32 | 49 | | 33 | 1 | 12 | 39 | 64 |
| Purple Finch | 10 | 11 | 2 | 30 | 2 | | 2 | 3 |
| **Red Crossbill** | | | | | | | | |
| Pine Siskin | 1 | | | 78 | | 2 | 3 | 2 |
| American Goldfinch | 395 | 103 | 98 | 264 | 24 | 62 | 87 | 129 |
| Lapland Longspur | | | | | | | | |
| Snow Bunting | | | | | | | | |
| Chipping Sparrow | 18 | 53 | 8 | 46 | 43 | 93 | 130 | 52 |
| Clay-colored Sparrow | | | | | | 3 | 1 | |
| Field Sparrow | 66 | 10 | 14 | 9 | 20 | 80 | 40 | 44 |
| Fox Sparrow | 28 | 7 | 2 | 5 | 26 | 28 | 17 | 14 |
| American Tree Sparrow | 4 | | | | | | | |
| Dark-eyed Junco | 1,060 | 855 | 510 | 1,090 | 36 | 76 | 290 | 540 |
| White-crowned Sparrow | 20 | | | 1 | | 3 | 1 | 1 |

| Species | Lower Kent County | Denton | Port Tobacco | St. Michaels | Southern Dorchester County | Crisfield | Salisbury | Ocean City |
|---|---|---|---|---|---|---|---|---|
| White-crowned Sparrow (Gambel's) | | | | | | | | |
| White-throated Sparrow | 1,886 | 923 | 854 | 768 | 124 | 431 | 620 | 965 |
| Vesper Sparrow | | | | | | 2 | | |
| Seaside Sparrow | | | | | | 3 | | |
| Nelson's Sparrow | | | | | | | | 2 |
| Saltmarsh Sparrow | | | | | | 1 | | |
| Nelson's/Saltmarsh Sparrow | | | | | | 3 | | |
| Savannah Sparrow | 92 | 52 | 6 | 68 | 40 | 75 | 8 | 45 |
| Savannah Sparrow (Ipswich) | | | | | | | | 15 |
| Song Sparrow | 528 | 131 | 230 | 182 | 337 | 295 | 273 | 458 |
| Lincoln's Sparrow | | | | | 1 | | 1 | |
| Swamp Sparrow | 115 | 11 | 14 | 47 | 214 | 635 | 119 | 90 |
| sparrow sp. | | | | | | | | |
| Eastern Towhee | 80 | 11 | 43 | 25 | 29 | 27 | 49 | 12 |
| Eastern Meadowlark | 1 | | 15 | 16 | 149 | 27 | 3 | 126 |
| Red-winged Blackbird | 9,066 | 2,925 | 436 | 897 | 5,873 | 1,181 | 20,000 | 1,189 |
| Brown-headed Cowbird | 330 | 1,908 | 10 | 27 | 22 | 4 | 1,518 | 101 |
| blackbird sp. | | | | | | | 50 | |
| Rusty Blackbird | 52 | | | 2 | 8 | | 6 | 6 |
| Common Grackle | 356 | 35,400 | 3,651 | 20 | 3,044 | 33 | 41,440 | 17 |
| Boat-tailed Grackle | | | | | 30 | 65 | | |
| Orange-crowned Warbler | | | | | | | 3 | |
| Common Yellowthroat | 2 | | | | 3 | | 2 | 1 |
| Magnolia Warbler | | | | | | | | |
| Palm Warbler | 5 | 2 | | 2 | 2 | | | 7 |
| Palm Warbler (western) | | | | | | | | 8 |
| Palm Warbler (yellow) | | | | | | | | 1 |
| Pine Warbler | | 1 | | 2 | 2 | 8 | 2 | 9 |
| Yellow-rumped Warbler | 7 | 1 | 63 | 24 | 131 | 522 | 53 | 432 |
| Northern Cardinal | 461 | 123 | 93 | 205 | 86 | 133 | 175 | 322 |
| Rose-breasted Grosbeak | | | | | | | | |
| Dickcissel | | | | | | | | 1 |

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# 2019 Maryland Mid-winter Bird Count

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The annual Maryland Mid-winter Bird Count was held on multiple days between 6 January and 3 February 2019. Results were submitted for Baltimore, Carroll, Frederick, Howard, and Kent Counties in addition to the Fred J. Archibald and Audrey Carroll Audubon Sanctuaries and the Chesapeake and Ohio (C&O) Canal (Table 1).

**Table 1. 2019 Maryland Mid-winter Count: Participating counts, count codes, dates, and compilers (listed west-to-east).**

| Count | Count Code | Date | Compiler |
|---|---|---|---|
| Chesapeake & Ohio Canal | C&O | 26 January 2019–3 February 2019 | James Speicher |
| Fred J. Archibald Audubon Sanctuary | FAAS | 12 January 2019 | David Smith |
| Audrey Carroll Audubon Sanctuary | ACAS | 6 January 2019 | David Smith |
| Frederick | FR | 26 January 2019 | David Smith |
| Carroll | CA | 19 January 2019 | Don Jewell |
| Howard | HO | 2 February 2019 | Joe Hanfman |
| Baltimore | BA | 19 January 2019 | Kevin Graff |
| Kent | KE | 27 January 2019 | Walter Ellison & Nancy Martin |

The C&O Canal locations included every county bordering the park's towpath. Towpath coverage was 63% (117 of 184.5 mi [188 of 297 km]) with south-to-north county coverage as follows: District of Columbia (90%), Montgomery (97%), Frederick (56%), Washington (54%), and Allegany (52%). No C&O Canal stationary counts were submitted in 2019. Data were submitted for seven of the nine count days. Additional C&O Canal count compilation information can be found on eBird at: https://ebird.org/view/checklist/S53751147.

The 2019 Maryland Mid-winter Bird Count was made possible by the hard work of 239 participants in 143 parties (Table 2). They observed 141,075 individual birds and 128 unique species. By car, 1,744.7 mi (2,808 km) were covered over 170.97 hours. By foot, 418.36 mi (673 km) were covered over 416.48 hours. Owling occurred over 14.68 hours across 42.3 mi (68 km). In four counties,

observers completed 48.9 hours of feeder watching and in Howard County, 3.4 stationary hours were completed.

Count day weather conditions were reported for Carroll, Howard, Baltimore, and Kent Counties in addition to the C&O Canal. Temperatures in the counties ranged from 21 to 45 °F (-6 to 7 °C) with overcast skies reported for a majority of the time. Light afternoon flurries occurred in Carroll County. The C&O Canal count was completed over nine days and across a larger geographic range which likely explains why a wider variation in weather was encountered with temperatures ranging from 4 to 53 °F (-16 to 12 °C) and sky cover from fair to cloudy with one day of light precipitation. As would be expected for this time of year, most counters reported that small ponds and streams were mostly iced over while the rivers were almost entirely open. The wind speeds on count days were mostly light, although along the C&O Canal there was one day (27 January) where wind gusts exceeded 20 mph (32 km/h).

**Table 2. 2019 Maryland Mid-winter Count: Summary.**

| | C&O | FAAS | ACAS | FR | CA | HO | BA | KE |
|---|---|---|---|---|---|---|---|---|
| Total Species | 81 | 39 | 38 | 88 | 73 | 96 | 99 | 80 |
| Total Birds | 11,074 | 446 | 223 | 29,528 | 11,874 | 24,066 | 17,505 | 46,359 |
| Start Time | NA | 06:30 | 06:39 | 05:00 | 7:30 | 4:30 | 7:45 | 07:00 |
| Stop Time | NA | 12:00 | 12:03 | 18:05 | 14:00 | 22:45 | 17:00 | 17:50 |
| Parties | 44 | 1 | 1 | 17 | 13 | 65 | 1 | 1 |
| Observers | 63 | 6 | 7 | 30 | 23 | 60 | 48 | 2 |
| Hours Driving | 0 | 0 | 0 | 89.32 | 28.75 | 43.9 | 1.5 | 7.5 |
| Miles Driving | 0 | 0 | 0 | 916 | 352.1 | 361.3 | 78.8 | 36.5 |
| Hours Walking | 127.17 | 5.5 | 5.4 | 29.16 | 46.25 | 132.6 | 66.9 | 3.5 |
| Miles Walking | 117 | 4.04 | 2.85 | 25.62 | 54.75 | 164.6 | 48 | 1.5 |
| Hours Owling | 0 | 0.5 | 0.35 | 6.83 | 2 | 5.0 | 0 | 0 |
| Miles Owling | 0 | 0 | 0 | 29 | 2 | 11.3 | 0 | 0 |
| Feeder Hours | 0 | 0 | 0 | 5.25 | 8.25 | 18.4 | 17 | 0 |
| Stationary Hours | 0 | 0 | 0 | 0 | 0 | 3.4 | 0 | 0 |

The most numerous species in this year's count was Canada Goose, with 39,989 individuals observed (Table 3). Other waterfowl species observed in large numbers included 1,718 Mallards and 1,273 Ruddy Ducks. Notable waterfowl species observed included a pair of Blue-winged Teals at Buck Neck Landing in Kent County. A single Ross's Goose was seen in Frederick County and a Greater White-fronted Goose was seen in Howard County. Also of note was a White-winged Scoter that was observed along the C&O Canal.

Six species of gulls were observed this year. Baltimore County's count included all six of these species including one Glaucous Gull, two Iceland Gulls, and three Lesser Black-backed Gulls.

The most common raptor species in this year's data was Red-tailed Hawk which was observed in all eight counts for a total of 271 individuals. Red-shouldered Hawks (219) and Bald Eagles (187) were also fairly common. Four species of owls were recorded in this year's count, most notably including a single Northern Saw-whet Owl observed in Howard County.

Interesting passerines from this year's count include a Dickcissel along the C&O Canal and two Orange-crowned Warblers from Baltimore County. A lingering Wood Thrush was also spotted in Baltimore County.

**Table 3. 2019 Maryland Mid-winter Count: Observed species.**

| Species | C&O | FAAS | ACAS | FR | CA | HO | BA | KE |
|---|---|---|---|---|---|---|---|---|
| Snow Goose | | | | | | | | 13,840 |
| Snow Goose x Canada Goose | | | | 1 | | | | |
| Ross's Goose | | | | 1 | | | | |
| Greater White-fronted Goose | | | | | | 1 | | |
| Cackling Goose | | | | 7 | 1 | 2 | | |
| Canada Goose | 2,070 | 78 | 21 | 7,996 | 4,247 | 10,362 | 3,005 | 12,210 |
| Mute Swan | 1 | | | 1 | | | 2 | |
| Tundra Swan | | | | 15 | | | | 151 |
| Muscovy Duck (domestic) | | | | 1 | | | | |
| Wood Duck | 6 | | | | | | 1 | |
| Blue-winged Teal | | | | | | | | 2 |
| Northern Shoveler | | | | | | | 14 | 33 |
| Gadwall | 6 | | | 4 | 22 | 1 | 129 | 7 |
| American Wigeon | 1 | | | 4 | | 1 | 24 | 16 |
| Mallard | 592 | | | 328 | 106 | 254 | 33 | 405 |
| Mallard x Am. Black Duck | 2 | | | | | | | |
| American Black Duck | 56 | | | 22 | 42 | 16 | 6 | 86 |
| Northern Pintail | | | | 1 | | 1 | | 233 |
| Green-winged Teal | | | | 1 | | 1 | 2 | 2 |
| Canvasback | 5 | | | 4 | 10 | 23 | 104 | 12 |
| Redhead | | | | | 5 | 9 | 115 | |
| Ring-necked Duck | 148 | | | 36 | 19 | 75 | 17 | 34 |
| Greater Scaup | 1 | | | | | | 4 | 112 |
| Lesser Scaup | 5 | | | | | 1 | 583 | 84 |
| scaup sp. | 1 | | | | | | | 112 |
| White-winged Scoter | 1 | | | | | | | |
| Black Scoter | | | | | | | 1 | |
| Long-tailed Duck | | | | | | | 33 | 3 |
| Bufflehead | 98 | | | 1 | 29 | 12 | 205 | 82 |
| Common Goldeneye | 53 | | | 5 | | 5 | 3 | 60 |
| Hooded Merganser | 15 | | | 11 | 34 | 70 | 113 | 12 |
| Common Merganser | 209 | | | 30 | 44 | 5 | 160 | 36 |
| Red-breasted Merganser | 1 | | | | 1 | | 8 | 4 |
| Ruddy Duck | | | | | 20 | | 1166 | 87 |
| duck sp. | 29 | | | | | | | |
| Ring-necked Pheasant (released) | | | | | | | | 1 |
| Wild Turkey | 3 | | | 37 | 24 | 12 | | 1 |

| Species | C&O | FAAS | ACAS | FR | CA | HO | BA | KE |
|---|---|---|---|---|---|---|---|---|
| Pied-billed Grebe | | | | | | 1 | 18 | 1 |
| Horned Grebe | | | | | | 1 | 2 | |
| Rock Pigeon | 122 | | | 828 | 216 | 67 | 368 | 11 |
| Mourning Dove | 144 | 14 | 6 | 724 | 294 | 364 | 257 | 25 |
| Virginia Rail | | | | | | | 1 | |
| American Coot | | | | | | | 50 | |
| Sandhill Crane | | | | | | | 7 | |
| Killdeer | | 1 | | 1 | | 3 | | |
| American Woodcock | | | | 1 | | | | 2 |
| Wilson's Snipe | | | | | | 2 | | |
| Ring-billed Gull | 708 | | | 3 | 38 | 281 | 2,797 | 26 |
| Herring Gull | 48 | | | | | 27 | 456 | 17 |
| Iceland Gull | | | | | | 1 | 2 | |
| Lesser Black-backed Gull | | | | | | | 3 | |
| Glaucous Gull | | | | | | | 1 | |
| Great Black-backed Gull | | | | | | | 150 | 5 |
| gull sp. | 158 | | | | | | 580 | |
| Common Loon | | | | | | | 2 | |
| Double-crested Cormorant | 5 | | | | | 3 | 203 | 6 |
| Great Blue Heron | 35 | | | 19 | 4 | 17 | 24 | 8 |
| Black Vulture | 72 | 4 | 2 | 278 | 100 | 284 | 251 | 43 |
| Turkey Vulture | 86 | 11 | 16 | 569 | 112 | 218 | 75 | 129 |
| Northern Harrier | 1 | | | 2 | | | 1 | 5 |
| Sharp-shinned Hawk | 2 | | | 3 | 1 | 4 | 3 | 1 |
| Cooper's Hawk | 4 | 1 | 1 | 4 | 10 | 12 | 7 | 2 |
| *Accipiter* sp. | 1 | | | 1 | | 3 | 1 | |
| Bald Eagle | 41 | | 1 | 23 | 11 | 35 | 47 | 29 |
| Red-shouldered Hawk | 32 | | 1 | 64 | 25 | 73 | 19 | 5 |
| Red-tailed Hawk | 39 | 2 | 2 | 117 | 50 | 27 | 23 | 11 |
| *Buteo* sp. | 2 | | | | | 2 | 1 | |
| Eastern Screech-Owl | | | | 11 | 2 | 1 | 1 | |
| Great Horned Owl | 1 | | | 5 | 3 | 6 | | 2 |
| Barred Owl | 9 | | | 7 | 2 | 3 | | 2 |
| Northern Saw-whet Owl | | | | | | 1 | | |
| owl sp. | 1 | | | | | | | |
| Belted Kingfisher | 25 | | | 6 | 4 | 6 | 10 | 2 |
| Red-headed Woodpecker | 14 | | 2 | 4 | 3 | 4 | 3 | |
| Red-bellied Woodpecker | 291 | 10 | 5 | 178 | 63 | 208 | 72 | 29 |
| Yellow-bellied Sapsucker | 60 | 6 | 2 | 27 | 5 | 20 | 3 | 7 |
| Downy Woodpecker | 242 | 9 | 5 | 140 | 68 | 162 | 56 | 15 |
| Hairy Woodpecker | 65 | 3 | 3 | 39 | 16 | 27 | 4 | 1 |
| Downy/Hairy Woodpecker | 3 | | | | | | | |
| Northern Flicker | 42 | 3 | 2 | 64 | 35 | 78 | 29 | 16 |
| Pileated Woodpecker | 127 | 1 | 1 | 30 | 15 | 48 | 17 | 2 |
| woodpecker sp. | 1 | | | | | | | |
| American Kestrel | 1 | | | 27 | 13 | 3 | | 1 |
| Merlin | | | | 2 | | | 4 | |
| Peregrine Falcon | | | 1 | 1 | | | 2 | |
| Eastern Phoebe | 11 | | | 1 | | 2 | | |
| Blue Jay | 221 | 13 | 7 | 300 | 170 | 411 | 209 | 97 |
| American Crow | 396 | 7 | 12 | 628 | 674 | 897 | 372 | 4 |
| Fish Crow | 144 | 2 | 2 | 51 | 65 | 295 | 455 | |
| crow sp. | 16 | | | 127 | | 633 | 45 | |

| Species | C&O | FAAS | ACAS | FR | CA | HO | BA | KE |
|---|---|---|---|---|---|---|---|---|
| Common Raven | 44 | 1 | | 17 | 7 | 9 | | |
| Horned Lark | | | | 72 | 10 | 51 | | 1 |
| Carolina Chickadee | 272 | 3 | 5 | 120 | 31 | 95 | 76 | 16 |
| Black-capped Chickadee | 29 | | | | | | | |
| Carolina/Black-cap. Chickadee | 1 | | | | | | | |
| Tufted Titmouse | 160 | 3 | 2 | 99 | 23 | 130 | 59 | 13 |
| Red-breasted Nuthatch | 2 | | | 3 | 4 | 14 | 8 | 7 |
| White-breasted Nuthatch | 273 | 10 | 5 | 162 | 71 | 157 | 59 | 19 |
| Brown Creeper | 97 | 2 | 4 | 14 | 11 | 12 | 11 | 3 |
| House Wren | | | | | | | 1 | |
| Winter Wren | 47 | 1 | | 7 | 3 | 15 | 8 | 1 |
| Carolina Wren | 445 | 12 | 19 | 240 | 104 | 249 | 113 | 53 |
| Golden-crowned Kinglet | 87 | 8 | 5 | 29 | 19 | 9 | 14 | |
| Ruby-crowned Kinglet | 15 | | | 3 | 1 | 3 | 5 | 1 |
| Eastern Bluebird | 161 | 10 | 10 | 144 | 67 | 204 | 28 | 8 |
| Hermit Thrush | 19 | 1 | | 2 | 10 | 19 | 8 | 3 |
| Wood Thrush | | | | | | | 1 | |
| American Robin | 168 | | | 412 | 108 | 710 | 687 | 27 |
| Gray Catbird | | | | | | 1 | | |
| Brown Thrasher | | 1 | | 1 | | 2 | 1 | 3 |
| Northern Mockingbird | 21 | 7 | 3 | 135 | 45 | 78 | 34 | 9 |
| European Starling | 525 | 22 | 14 | 10,032 | 2,838 | 1,203 | 1,331 | 132 |
| Cedar Waxwing | | | | 30 | 76 | 35 | | |
| House Sparrow | 43 | | | 405 | 113 | 180 | 187 | 13 |
| American Pipit | | | | 6 | | | | |
| House Finch | 8 | 3 | 2 | 183 | 56 | 140 | 100 | 4 |
| Purple Finch | | | 3 | 8 | 6 | 12 | 4 | |
| Pine Siskin | | | | 5 | 3 | 8 | 3 | |
| American Goldfinch | 60 | 2 | 5 | 146 | 56 | 119 | 10 | 40 |
| Snow Bunting | | | | | | | 8 | |
| Chipping Sparrow | | | | | | 16 | 4 | |
| Fox Sparrow | 1 | | | 3 | 5 | 19 | 6 | |
| American Tree Sparrow | 3 | 1 | | | | 5 | | |
| Dark-eyed Junco | 343 | 51 | 2 | 962 | 357 | 1,038 | 320 | 176 |
| White-crowned Sparrow | 1 | | | 66 | 9 | 31 | | 2 |
| White-throated Sparrow | 997 | 87 | 92 | 1485 | 719 | 2316 | 541 | 260 |
| Savannah Sparrow | | | | 10 | | 34 | | |
| Song Sparrow | 306 | 17 | 21 | 392 | 148 | 900 | 144 | 31 |
| Swamp Sparrow | 20 | 2 | 3 | 30 | 8 | 53 | 22 | 9 |
| sparrow sp. | 12 | | | | | | | |
| Eastern Towhee | 1 | | 5 | 23 | 24 | 71 | 19 | 14 |
| Eastern Meadowlark | | | | | | 2 | | |
| Red-winged Blackbird | 80 | 80 | | 274 | 61 | 270 | 695 | 595 |
| Brown-headed Cowbird | 20 | | | 49 | 2 | 73 | | |
| Rusty Blackbird | | | | | | 31 | 69 | |
| Common Grackle | 9 | | | 400 | | 7 | 116 | 16,685 |
| blackbird sp. | 3 | | | 10 | | 23 | 1 | |
| Orange-crowned Warbler | | | | | | | 2 | |
| Pine Warbler | | | | | | 3 | | |
| Yellow-rumped Warbler | 8 | | | 6 | | 3 | 1 | 1 |
| Northern Cardinal | 306 | 31 | 28 | 729 | 262 | 573 | 233 | 103 |
| Dickcissel | 1 | | | | | | | |
| passerine sp. | 1 | | | | | | | |

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# 2019 Spring Raptor Migration at Fort Smallwood Park, Anne Arundel County, Maryland

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There is no doubt that the spring 2019 raptor migration season will be remembered for the unprecedented flight of one species: Mississippi Kite. Forty were observed overall and 24 in one day, annihilating the previous records of 16 in one season and 9 in one day!

The spring 2019 season otherwise had its ups and downs. The total number of migrant raptors counted was 9,489, 4% below the 5-year (2014–2018) average and 5% below the 10-year (2009–2018) average. Coverage, however, was greater than each of the last 5 years. Eighty-eight days and 481 hours of coverage represented 7% and 11% increases, respectively, over their respective 5-year averages. Fewer inclement weather days was the likely reason. With respect to individual species, Table 1 shows percent changes for the more common species, unfortunately containing twice as many negative values as positive ones.

**Table 1. 2019 Common raptor species.** The 2019 count and 5-year and 10-year percentage changes.

| | Black Vulture | Turkey Vulture | Osprey | Northern Harrier | Sharp-shinned Hawk | Cooper's Hawk | Bald Eagle | Mississippi Kite | Red-shouldered Hawk | Broad-winged Hawk | Red-tailed Hawk | American Kestrel | Merlin | Season Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2019 Count | 435 | 6,016 | 436 | 55 | 894 | 266 | 184 | 40 | 148 | 651 | 157 | 137 | 45 | 9,489 |
| 5-Yr % Change | +16 | -4 | -7 | -14 | -20 | +11 | 0 | +344 | -13 | +36 | -19 | -39 | -10 | -4 |
| 10-Yr% Change | +12 | +2 | -7 | -25 | -34 | -16 | +16 | +344 | -21 | +10 | -27 | -41 | -13 | -5 |

Osprey counts were down this year, but for the past two years they were unusually high, somewhat skewing the averages. Moreover, the species presented a particular counting problem this year in that there was an abundance of local breeders, thus making it more difficult to separate out the migrants. The same counting problem may have affected Bald Eagle numbers, which have always been problematic due to the wide-ranging flights of eagles. The number of Sharp-shinned Hawks sharply rebounded over last year's dismal showing, but was still well below average. Although Cooper's Hawk numbers have increased over the past several years, the 2019 count didn't reach the 10-year average threshold. There was a healthy increase in the number of Broad-winged Hawks compared to both averages. However, the dependence of numbers of that species on westerly winds at the right time muddles any conjecture that the growth might be long-term. Meanwhile, Northern Harriers, Red-tailed Hawks, and American Kestrels continued their steady declines. Kestrel numbers did increase by 56% over last year.

February: The season began on 25 February. Four consecutive days of coverage in February yielded a below-average count of just 52 migrants.

March, on the other hand, was about average, yielding 3,816 migrants compared to the 10-year average of 3,877. The highest daily count of the season, 942, occurred on 24 March, which included 840 Turkey Vultures, 25 Ospreys and 21 Red-shouldered Hawks. Lower than expected numbers of Sharp-shinned, Cooper's, Red-shouldered, and Red-tailed Hawks and American Kestrels kept March's totals from being higher.

April was down about 600 raptors compared to the 10-year average. There was a lack of consecutive days with favorable westerly winds, which stifled any momentum from one or two days to the next. A bright spot was the observation of 703 raptors on 16 April, due mainly to 210 Turkey Vultures and 345 Broad-winged Hawks. Interestingly, the first Broad-winged Hawk of the season, and the only one for that day, had been observed only the day before. Another good day was 27 April, when 451 migrants were counted, with 216 Sharp-shinned Hawks.

May's total count was 1,614, 10% above the 10-year average. In addition to Mississippi Kites, vultures, Bald Eagles, Cooper's Hawks, and Broad-winged Hawks led the way. The first Mississippi Kite was observed on 17 May, five days later than the median arrival date. The species wasted no time in making up for its later arrival. Two days later, on southeasterly winds, 11 Mississippi Kites were counted, temporarily breaking the previous daily record of 9. Happy observers that day were not quite expecting the next day's outcome. Winds shifted to the west-southwest and Mississippi Kites came in abundance. The count day started at 9:00 a.m. (Eastern Daylight Time) and 12 were tallied by

9:43 a.m., with 7 in view at once! Twelve more were observed by the end of the day (5:00 p.m.). And, 4 more were counted over the next nine days to bring the season total to 40. Truly, a spectacle to behold and savor.

June: Five days of counts in June resulted in 71 migrants, mostly Turkey Vultures, nearly doubling the 10-year average. It was anticipated that the count would go on longer, but unfavorable winds lingered for several days after 6 April and then high temperatures moved in. It is probable that more migrants passed by after the count officially ended, suggested by Broad-winged Hawks and Mississippi Kites observed at a New England count site later in the month.

Hawk behavior can be as rewarding to observers as a good count day. On 14 May, a Peregrine Falcon sat in a tree for over an hour to the delight of not only the hawkwatchers, but also a large group of school children who were visiting the park that day. Entertaining too was a local Osprey which regularly coursed through the tree tops looking for vulnerable branches to break off for its nest.

Non-raptor species added to the experience in big ways. The resident beavers were observed several times, once three at one time seemingly interacting in playful behavior. Amazingly, 27,200+ migrant Blue Jays were tallied this season. Predominantly early morning fliers, they likely were significantly undercounted. Blackbirds were observed in even greater numbers: more than 37,000, spread among Red-winged Blackbirds and Common Grackles, and to a lesser extent Brown-headed Cowbirds. Several Pied-billed Grebes inhabited the pond for about a month beginning in the second week of March. On 22 April, a Black-bellied Plover rested on a jetty for a few hours. On 30 April, a rare visitor, a Sandhill Crane, lumbered across the sky. An astonishing 10 American White Pelicans circled the Park on 17 May. Finally, new bird species #284, a Trumpeter Swan, paid a brief visit on 25 May.

Coverage during the season depended on many volunteers and they came through, namely: Sue Ricciardi, Chris Reed, Dan Walker, Hal Wierenga, Lynn Davidson, Bob Rineer, Ralph and Jane Geuder, Bill Hubick, Andy Smith, Dan Haas, Jim Stasz, Dave Mozurkewich, John Hoffman, Hugh Hoffman, Andy and Judy Higgs, Alan and Sue Young, Andy Francis, Dan Eberly, Cristians Rivas, Max Ramey, Sam Miller, and Cindy Godwin. The contributions of other visitors also enhanced the count. In addition, we extend our gratitude to the staff at Fort Smallwood Park for their continued support.

Spring 2020 will have favorable winds every day and we'll have several record-high counts. Don't believe it? Please join us next season to find out.

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# 2019 Maryland May Count

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The annual May Count was held on Saturday, 11 May 2019. Results were submitted from 20 of Maryland's 23 counties (Table 1).

**Table 1. 2019 Maryland May Count: participating counties, county codes, and compilers.**

| County | Code | Compiler |
|---|---|---|
| Garrett | GA | Karl and Sharon Schwalm |
| Allegany | AL | J.B. Churchill |
| Washington | WA | Mark Abdy |
| Frederick | FR | David Smith |
| Montgomery | MO | Diane Ford |
| Carroll | CA | Don Jewell |
| Howard | HO | Kevin Heffernan |
| Baltimore | BA | Kevin Graff |
| Prince George's | PG | Fred Fallon |
| Anne Arundel | AA | Dotty Mumford |
| Charles | CH | Lynne Wheeler |
| Calvert | CT | Sherman Suter |
| St. Mary's | SM | J. Tyler Bell |
| Kent | KE | Walter Ellison |
| Talbot | TA | Ron Ketter |
| Dorchester | DO | Harry Armistead |
| Caroline | CN | Debby Bennett |
| Wicomico | WI | Ellen Lawler |
| Worcester | WO | Marcia Balestri |
| Somerset | SO | Paul Bystrak |

Weather for the 2019 count was generally cool and overcast. Temperatures ranged from 48 °F (9 °C) to 79 °F (26 °C), but most were in the 60s °F and low 70s °F. There were light to moderate rain showers in many areas in the late afternoon. Winds were generally light except along the Eastern Shore of the Chesapeake Bay.

A total of 439 counters in 283 parties reported 234 species and 107,024 total birds (Tables 2 and 3). Total numbers of birds were down over 10% from last year.

**Table 2. 2019 Maryland May Count: Western and Central Maryland summary.**

| | GA | AL | WA | FR | MO | CA | HO | BA | PG | AA |
|---|---|---|---|---|---|---|---|---|---|---|
| Parties | 21 | 8 | 7 | 12 | 4 | 14 | 53 | 48 | 17 | 16 |
| Observers | 35 | 9 | 17 | 21 | 4 | 23 | 69 | 66 | 27 | 33 |
| Start Time | 0545 | 0615 | 0430 | 0405 | | 0540 | 0430 | 0600 | | 0540 |
| Stop Time | 2000 | 1800 | 1830 | 1830 | | 2000 | 2000 | 2059 | | 2010 |
| Driving | | | | | | | | | | |
| hours | 38.5 | 16.25 | 24.5 | 69 | | 21.47 | 51.3 | 1.45 | 17.8 | 13 |
| miles | 422.05 | 119 | 179 | 638.7 | | 322.6 | 363.3 | 90.2 | 244 | 21.15 |
| Walking | | | | | | | | | | |
| hours | 63.5 | 21.58 | 15.5 | 41.42 | | 59.51 | 182.8 | 119.33 | 124.8 | 47.25 |
| miles | 59.25 | 19.3 | 23 | 30.25 | | 61.12 | 124.2 | 75.09 | 97.53 | 42 |
| Other | bicycle | | | | | | | | | boat |
| hours | 1 | | | | | | | | | 1 |
| miles | 11 | | | | | | | | | 1 |
| Owling | | | | | | | | | | |
| hours | | 0.5 | 1 | 2.5 | | 0.2 | 2.5 | | 0.5 | 0.5 |
| miles | | | 2 | 10 | | | 7 | | 0.5 | |
| Stationary | | | | | | | | | | |
| hours | 6.95 | 3.25 | 5 | 4.17 | | 17.23 | 3.4 | 20 | 15.8 | 7.5 |
| Total Species | 141 | 114 | 108 | 145 | 79 | 129 | 138 | 142 | 137 | 140 |
| Total Individuals | 6454 | 2615 | 2285 | 11,001 | 424 | 5982 | 13,617 | 7420 | 7459 | 6600 |

**Table 3. 2019 Maryland May Count: Southern Maryland and Eastern Shore summary.**

| | CH | CT | SM | KE | TA | DO | CN | WI | WO | SO | Totals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Parties | 15 | 12 | 6 | 3 | 8 | 6 | 14 | 8 | 4 | 7 | 283 |
| Observers | 35 | 26 | 9 | 5 | 10 | 6 | 18 | 13 | 4 | 9 | 439 |
| Start Time | 0100 | 0415 | 0330 | 0518 | 0400 | 0330 | 0400 | 0545 | 0505 | 0400 | |
| Stop Time | 1900 | 2044 | 2115 | 2015 | 1450 | 1930 | 2200 | 1650 | 2021 | 1925 | |
| Driving | | | | | | | | | | | |
| hours | 48.5 | 7.16 | 20.58 | 22.5 | 12 | 26 | 42 | 7.5 | 15.48 | 6.2 | 461.19 |
| miles | 390 | 30.44 | 180.8 | 124 | 97 | 327 | 453 | 103 | 294.8 | 60.09 | 4460.13 |
| Walking | | | | | | | | | | | |
| hours | 51.25 | 36.88 | 10.75 | 9.5 | 12.05 | 28 | 32.5 | 17 | 5.67 | 2.5 | 881.79 |
| miles | 41.25 | 27.93 | 9.7 | 13.5 | 7.55 | 21 | 30 | 17.05 | 6 | 2.5 | 708.22 |
| Other | | | | | | | | | | canoe | |
| hours | | | | | | | | | | 8 | 10 |
| miles | | | | | | | | | | 7.5 | 19.5 |
| Owling | | | | | | | | | | | |
| hours | 1 | 0.03 | 2.5 | | 2 | 3 | 0.75 | | 1.16 | 1.5 | 19.64 |
| miles | 0.5 | | 45 | | 29 | 29 | 0.25 | | 19.5 | | 142.75 |
| Stationary | | | | | | | | | | | |
| hours | 10.75 | 4.63 | 1.25 | | 2.33 | | 24.5 | 7.5 | 1.27 | 4.63 | 140.16 |
| Total Species | 141 | 131 | 128 | 115 | 106 | 145 | 135 | 84 | 146 | 107 | 234 |
| Total Individuals | 6881 | 4427 | 4284 | 4373 | 2408 | 7032 | 6541 | 1713 | 3344 | 2164 | 107,024 |

Among the notable sightings were 1 Snow Goose (Worcester), 3 lingering Trumpeter Swans (2 in Prince George's, 1 in Worcester), 18 Black Scoter (Worcester, compared to none in 2018), only 51 Ruddy Duck (mostly in Dorchester), only 25 Glossy Ibis (12 Somerset, 10 Worcester, 2 Talbot, 1 Howard), 58 Clapper Rail (42 Somerset, 15 Dorchester, 1 Worcester), 12 Black-necked Stilt (8 Somerset, 3 Dorchester, 1 Worcester), only 654 Black-bellied Plover (398 in Worcester, 214 in Kent, 29 in Dorchester, 5 each in Caroline and Somerset, 3 in Anne Arundel) compared to 2445 in 2018, 102 Least Tern (35 in Baltimore, 24 in Kent, 19 in Worcester, 10 in Talbot, smaller numbers in Anne Arundel, Dorchester, Caroline, and Somerset), 116 Common Tern (90 in Worcester, 17 in Somerset, 6 in Baltimore, 3 in Dorchester), 45 Black Skimmer (all in Worcester), only 6 Common Nighthawk (3 in Worcester, 1 each in Frederick, Carroll, and Baltimore), 101 Red-headed Woodpecker (27 in Frederick, 21 in Dorchester, 15 in Garrett, 10 in Charles, smaller numbers in 11 other counties), only 667 Carolina Chickadee (about half the usual number), only 1035 Tufted Titmouse (about 2/3 of the usual number), and generally lower numbers of warbler species than last year.

Misses included Tundra Swan, American Wigeon, Blue-winged Teal, Northern Pintail, Red-throated Loon, Horned Grebe, King Rail, Red Knot, Stilt Sandpiper, Lesser Black-backed Gull, Black Tern, Merlin, Olive-sided Flycatcher, Yellow-bellied Flycatcher, Philadelphia Vireo, American Pipit, and Mourning Warbler.

Not included in the tables was a heard-only Connecticut Warbler (at Calvert Cliffs State Park.) The details provided in the eBird list were: "Heard only bird. In moist forest habitat where medium-size shrubs\trees rose above a carpet of dead leaves. Immediately checked against Sibley app. Pitch, cadence, and song matched Connecticut. Bird responded to calls but did not make an appearance." Given the extreme rarity of the species on the East Coast during spring migration, these details were not sufficient to convince Tyler Bell to validate the occurrence for eBird.

Clearly, the cool, overcast weather led to lower count numbers, especially of migrants.

**Table 4. 2019 Maryland May Count: Western and Central Maryland observed species.**

| Species | GA | AL | WA | FR | MO | CA | HO | BA | PG | AA |
|---|---|---|---|---|---|---|---|---|---|---|
| Canada Goose | 228 | 111 | 110 | 291 | 28 | 352 | 532 | 214 | 292 | 214 |
| Mute Swan | | | | 1 | | | | | | |
| Trumpeter Swan | | | | | | | | | 2 | |
| Wood Duck | 50 | 11 | 6 | 7 | 2 | 5 | 26 | 13 | 76 | 10 |
| Gadwall | | | | | | | | 1 | | |
| Mallard | 46 | 11 | 25 | 95 | | 44 | 102 | 188 | 117 | 82 |
| American Black Duck | | | | | | | | | | |
| Canvasback | | | | | | | | | | 2 |
| Ring-necked Duck | 3 | | | | | | | 1 | | |
| Lesser Scaup | | | | 1 | | | | | | |
| Surf Scoter | | 2 | | | | | | | | |
| Long-tailed Duck | | | | | | | | | | 1 |
| Bufflehead | 1 | | | | | | 2 | | | |
| Common Goldeneye | | | | 3 | | | | | | |
| Hooded Merganser | | 1 | | | | 3 | | 3 | 1 | |
| Common Merganser | 6 | | | | | | | | | |
| Red-breasted Merganser | | 2 | | | | | | | | |
| Ruddy Duck | 1 | | | | | 1 | | | | |
| duck sp. | | | | | | | | | | |
| Ring-necked Pheasant | | | | 1 | | | | | | |
| Ruffed Grouse | 1 | 2 | | | | | | | | |
| Wild Turkey | 37 | 8 | 6 | 10 | | 4 | 7 | | 12 | 1 |
| Pied-billed Grebe | | | | 1 | | | | | | |
| Rock Pigeon | 34 | 79 | 26 | 118 | | 68 | 42 | 150 | 47 | 59 |
| Mourning Dove | 76 | 52 | 47 | 306 | 9 | 173 | 304 | 188 | 382 | 138 |
| Yellow-billed Cuckoo | 2 | 6 | 5 | 2 | | 2 | 6 | 1 | 13 | 2 |
| Black-billed Cuckoo | 3 | 3 | 1 | | | | 1 | | 1 | |
| Yellow-/Black-billed Cuckoo | 1 | | | | | | | | | |
| Common Nighthawk | | | | 1 | | 1 | | 1 | | |
| Chuck-will's-widow | | | | | | | | | | |
| Eastern Whip-poor-will | 3 | | 8 | | | | | | | |
| Chimney Swift | 36 | 106 | 17 | 184 | 8 | 91 | 176 | 208 | 120 | 59 |
| Ruby-throated Hummingbird | 27 | 6 | 8 | 8 | 1 | 17 | 19 | 13 | 15 | 14 |
| Virginia Rail | 2 | | | 1 | | | | | 1 | |
| Sora | 2 | | | | | | | | | |
| Common Gallinule | | | | 3 | | | | | | |
| American Coot | | | | | | | | | 1 | |
| Sandhill Crane | 2 | | | | | | | | | |
| Black-bellied Plover | | | | | | | | | | 3 |
| Killdeer | 14 | 7 | 3 | 17 | | 7 | 24 | 1 | 11 | 5 |
| Semipalmated Plover | 3 | 1 | | | | | | | 1 | |
| Sanderling | | | | | | | | | | 1 |
| Dunlin | | | | | | | | | | 1 |

| Species | GA | AL | WA | FR | MO | CA | HO | BA | PG | AA |
|---|---|---|---|---|---|---|---|---|---|---|
| Least Sandpiper | 6 | 4 | | | | 9 | 9 | 6 | 14 | 2 |
| White-rumped Sandpiper | 1 | | | | | | | | | |
| Semipalmated Sandpiper | 1 | | | 20 | | | | | | 1 |
| peep sp. | | | | | | | | | | |
| American Woodcock | 1 | 1 | | | | | | | 1 | |
| Wilson's Snipe | | | | 2 | | | | | | |
| Spotted Sandpiper | 19 | 11 | 9 | 6 | | 9 | 17 | 23 | 11 | 12 |
| Solitary Sandpiper | | 7 | 2 | 10 | 1 | 8 | 34 | 19 | 15 | 2 |
| Lesser Yellowlegs | 2 | | | 1 | | | | | 7 | |
| Greater Yellowlegs | | | | | | | | | | 1 |
| shorebird sp. | | | | | | | | 1 | | |
| Bonaparte's Gull | | | | | | | | | | 1 |
| Laughing Gull | | | | | | | | | 46 | 5 |
| Ring-billed Gull | | 1 | | 3 | | | 1 | 26 | | 235 |
| Herring Gull | | | | | | | | 5 | | 90 |
| Great Black-backed Gull | | | | | | | | 8 | | 56 |
| gull sp. | 1 | | | | | | | | | 10 |
| Least Tern | | | | | | | | 35 | | 7 |
| Caspian Tern | 1 | | | | | | | | 1 | 51 |
| Common Tern | | | | | | | | 6 | | |
| Forster's Tern | | | | | | | | | | |
| Royal Tern | | | | | | | | | | 3 |
| Common Loon | 5 | | | | | 3 | 1 | 1 | | 2 |
| Northern Gannet | | | | | | | | | | 2 |
| Double-crested Cormorant | 17 | 1 | 1 | 6 | | 41 | 9 | 25 | 44 | 558 |
| Brown Pelican | | | | | | | | | | |
| American Bittern | | | | | | | 1 | | | |
| Great Blue Heron | 1 | | 8 | 25 | | 8 | 44 | 32 | 28 | 25 |
| Great Egret | | | | 2 | | | 3 | 12 | 1 | 5 |
| Snowy Egret | | | | | | | | | | 2 |
| Little Blue Heron | | | | | | | | | | 1 |
| Cattle Egret | | | | | | | | | | 9 |
| Green Heron | 4 | 2 | | 9 | 1 | 13 | 24 | 6 | 5 | 11 |
| Black-crowned Night-Heron | | | | 9 | 1 | | 1 | 3 | 2 | |
| Yellow-crowned Night-Heron | | | | 1 | 1 | 2 | | 7 | | |
| Glossy Ibis | | | | | | | 1 | | | |
| Black Vulture | 2 | 8 | 13 | 61 | 7 | 96 | 124 | 52 | 88 | 42 |
| Turkey Vulture | 35 | 32 | 41 | 151 | 1 | 135 | 228 | 69 | 120 | 71 |
| Osprey | 4 | 1 | | 2 | | 4 | 8 | 40 | 32 | 132 |
| Northern Harrier | | | | 2 | | | 4 | | | 2 |
| Sharp-shinned Hawk | | | 1 | 1 | | 1 | 1 | 3 | | 1 |
| Cooper's Hawk | 1 | 2 | 2 | 8 | | 3 | 11 | 3 | 1 | 4 |
| *Accipiter* sp. | | | | 1 | | | | | | |
| Bald Eagle | 2 | | 2 | 4 | | 5 | 11 | 15 | 22 | 15 |
| Mississippi Kite | | | | | | | | | | |
| Red-shouldered Hawk | 5 | | 8 | 19 | 1 | 13 | 55 | 74 | 19 | 10 |
| Broad-winged Hawk | 3 | 1 | 1 | 1 | 1 | 1 | | 2 | 2 | 9 |

| Species | GA | AL | WA | FR | MO | CA | HO | BA | PG | AA |
|---|---|---|---|---|---|---|---|---|---|---|
| Red-tailed Hawk | 3 | 3 | 2 | 25 | 1 | 27 | 27 | 13 | 23 | 7 |
| *Buteo* sp. | | | | | | | | 5 | | |
| Barn Owl | | | | | | | | | | |
| Eastern Screech-Owl | | | | 2 | | 1 | | | 3 | 2 |
| Great Horned Owl | | | | 2 | | | 1 | | | |
| Barred Owl | 6 | | 1 | 6 | 1 | 6 | 9 | 5 | 9 | 3 |
| Belted Kingfisher | 2 | 3 | 2 | 4 | | 5 | 13 | 4 | 4 | 5 |
| Red-headed Woodpecker | 15 | | | 27 | | 5 | 3 | 2 | 1 | 1 |
| Red-bellied Woodpecker | 54 | 34 | 61 | 127 | 9 | 92 | 270 | 89 | 119 | 54 |
| Yellow-bellied Sapsucker | 7 | | | | | | | | | |
| Downy Woodpecker | 33 | 9 | 12 | 35 | 3 | 23 | 79 | 56 | 36 | 27 |
| Hairy Woodpecker | 31 | 6 | 13 | 20 | 2 | 10 | 18 | 9 | 6 | 8 |
| Northern Flicker | 41 | 8 | 3 | 21 | 3 | 17 | 46 | 17 | 16 | 10 |
| Pileated Woodpecker | 20 | 12 | 25 | 30 | 2 | 20 | 45 | 19 | 28 | 12 |
| woodpecker sp. | | | | | | | | 1 | | |
| American Kestrel | | | | 10 | | 4 | | 3 | 5 | |
| Peregrine Falcon | | | | | | | 1 | 1 | 1 | 2 |
| Great Crested Flycatcher | 12 | 6 | 39 | 143 | 2 | 72 | 155 | 60 | 77 | 52 |
| Eastern Kingbird | 17 | 3 | 17 | 108 | 2 | 50 | 103 | 65 | 63 | 54 |
| Eastern Wood-Pewee | 9 | 4 | 24 | 85 | 3 | 60 | 103 | 46 | 55 | 24 |
| Acadian Flycatcher | | 3 | 16 | 21 | 4 | 31 | 99 | 15 | 65 | 10 |
| Alder Flycatcher | 2 | | | | | | | | | |
| Willow Flycatcher | 4 | | | 4 | | 5 | 5 | 1 | | |
| Traill's flycatcher | | | | | | | | 1 | | |
| Least Flycatcher | 13 | 1 | | 1 | | 1 | 1 | | | |
| *Empidonax* sp. | 2 | | | | | | | 3 | | |
| Eastern Phoebe | 44 | 10 | 22 | 45 | 2 | 18 | 65 | 11 | 25 | 5 |
| White-eyed Vireo | 5 | 1 | | 10 | 1 | 22 | 27 | 18 | 30 | 33 |
| Yellow-throated Vireo | 5 | 6 | 4 | 6 | 1 | 17 | 21 | 9 | 7 | 1 |
| Blue-headed Vireo | 27 | 4 | | 1 | | 1 | 2 | 3 | | 3 |
| Warbling Vireo | | 9 | 6 | 53 | 3 | 9 | 34 | 28 | 2 | 4 |
| Red-eyed Vireo | 209 | 89 | 91 | 265 | 15 | 136 | 372 | 143 | 212 | 85 |
| Blue Jay | 146 | 48 | 78 | 210 | 11 | 143 | 463 | 153 | 95 | 173 |
| American Crow | 159 | 41 | 65 | 155 | 4 | 165 | 261 | 99 | 95 | 108 |
| Fish Crow | | 3 | 11 | 37 | 2 | 28 | 79 | 20 | 32 | 54 |
| crow sp. | | 1 | | 18 | | | 198 | 15 | 11 | 12 |
| Common Raven | 25 | 17 | 4 | 9 | | 1 | 4 | 2 | 6 | |
| Horned Lark | | | 4 | 30 | | 5 | 18 | 2 | | |
| Bank Swallow | 1 | | | | | 13 | | | 3 | |
| Tree Swallow | 129 | 21 | 22 | 115 | 11 | 88 | 170 | 95 | 213 | 64 |
| N. Rough-winged Swallow | 26 | 26 | 25 | 36 | 2 | 44 | 69 | 82 | 22 | 29 |
| Purple Martin | 35 | | 13 | 15 | | 28 | 65 | 2 | 10 | 9 |
| Barn Swallow | 290 | 29 | 31 | 272 | 3 | 185 | 354 | 155 | 145 | 297 |
| Cliff Swallow | 33 | 50 | 30 | 24 | | 18 | 52 | 17 | 13 | |
| swallow sp. | | | | | | | | 1 | | 10 |
| Carolina Chickadee | | | 19 | 33 | 2 | 18 | 92 | 64 | 73 | 61 |
| Black-capped Chickadee | 106 | 21 | 3 | | | | | | | |

| Species | GA | AL | WA | FR | MO | CA | HO | BA | PG | AA |
|---|---|---|---|---|---|---|---|---|---|---|
| Tufted Titmouse | 54 | 32 | 32 | 45 | 6 | 39 | 141 | 70 | 90 | 68 |
| Red-breasted Nuthatch | 3 | 2 | | 1 | | | | 1 | | |
| White-breasted Nuthatch | 47 | 19 | 9 | 30 | 2 | 28 | 70 | 30 | 21 | 17 |
| Brown-headed Nuthatch | | | | | | | | | | |
| Brown Creeper | 10 | | | | | | | | | |
| House Wren | 63 | 23 | 15 | 93 | 4 | 42 | 140 | 55 | 9 | 17 |
| Winter Wren | 2 | | | | | | | | | |
| Marsh Wren | | | | | | | | | 3 | 1 |
| Carolina Wren | 19 | 38 | 64 | 271 | 17 | 94 | 333 | 163 | 215 | 124 |
| Blue-gray Gnatcatcher | 13 | 12 | 12 | 126 | 6 | 114 | 190 | 123 | 130 | 73 |
| Golden-crowned Kinglet | 5 | 2 | | | | | | | | |
| Ruby-crowned Kinglet | 3 | | | | | 1 | | 1 | 1 | 2 |
| Eastern Bluebird | 24 | 25 | 51 | 137 | 1 | 66 | 202 | 35 | 99 | 48 |
| Veery | 23 | | 1 | 4 | | 5 | 6 | 13 | 1 | |
| Gray-cheeked Thrush | | | 1 | | 2 | | 3 | 1 | 2 | 1 |
| Swainson's Thrush | | | | 1 | 4 | 3 | 22 | 18 | 6 | 3 |
| Hermit Thrush | 20 | | | | | 2 | 1 | 2 | | 1 |
| Wood Thrush | 34 | 20 | 43 | 171 | 6 | 121 | 185 | 59 | 99 | 30 |
| American Robin | 371 | 230 | 90 | 570 | 13 | 207 | 466 | 494 | 241 | 227 |
| Gray Catbird | 169 | 67 | 56 | 379 | 12 | 371 | 457 | 263 | 67 | 55 |
| Brown Thrasher | 40 | 12 | 13 | 63 | | 23 | 31 | 8 | 26 | 20 |
| Northern Mockingbird | | 11 | 21 | 143 | 3 | 68 | 151 | 67 | 71 | 76 |
| European Starling | 221 | 150 | 73 | 1062 | 7 | 403 | 887 | 510 | 436 | 357 |
| Cedar Waxwing | 2 | 7 | 11 | 62 | 46 | 4 | 524 | 350 | 507 | 126 |
| House Sparrow | 102 | 157 | 13 | 261 | 6 | 92 | 271 | 209 | 133 | 137 |
| House Finch | 21 | 27 | 18 | 107 | 2 | 69 | 114 | 113 | 41 | 117 |
| Purple Finch | 9 | 3 | | 2 | | 4 | 2 | 1 | | |
| Pine Siskin | | 2 | | | | | 1 | 20 | | |
| American Goldfinch | 157 | 58 | 50 | 209 | 6 | 90 | 217 | 147 | 126 | 115 |
| Grasshopper Sparrow | 3 | | 34 | 45 | | 6 | 16 | 1 | 13 | 4 |
| Chipping Sparrow | 144 | 33 | 67 | 291 | 3 | 140 | 295 | 86 | 157 | 82 |
| Field Sparrow | 60 | 14 | 27 | 131 | 6 | 80 | 57 | 22 | 14 | 23 |
| Dark-eyed Junco | 17 | | | | | | | | | |
| White-crowned Sparrow | 2 | | | 1 | | | | | | |
| White-throated Sparrow | 1 | 1 | 2 | 8 | | 5 | 8 | 21 | 8 | 13 |
| Vesper Sparrow | | | | 8 | | 1 | | | | |
| Henslow's Sparrow | | 1 | | | | | | | | |
| Savannah Sparrow | 5 | 2 | | 2 | | | 35 | | 12 | 2 |
| Song Sparrow | 169 | 87 | 27 | 184 | 2 | 106 | 188 | 60 | 34 | 54 |
| Lincoln's Sparrow | | | | | | | 2 | | 1 | |
| Swamp Sparrow | 51 | 2 | 2 | 2 | | 4 | 2 | 8 | 2 | |
| Eastern Towhee | 202 | 61 | 37 | 104 | 8 | 55 | 111 | 28 | 56 | 37 |
| Yellow-breasted Chat | 1 | 3 | 9 | 3 | | 2 | 9 | 2 | 4 | 22 |
| Bobolink | 89 | 29 | | 127 | | 43 | 39 | 19 | 38 | 14 |
| Eastern Meadowlark | 28 | 5 | 6 | 71 | | 5 | 18 | 1 | 14 | 7 |
| Orchard Oriole | 13 | 8 | 5 | 18 | 4 | 13 | 66 | 31 | 40 | 22 |
| Baltimore Oriole | 100 | 14 | 49 | 89 | 4 | 59 | 124 | 47 | 7 | 7 |

| Species | GA | AL | WA | FR | MO | CA | HO | BA | PG | AA |
|---|---|---|---|---|---|---|---|---|---|---|
| Red-winged Blackbird | 492 | 90 | 44 | 813 | 9 | 228 | 632 | 229 | 419 | 241 |
| Brown-headed Cowbird | 26 | 24 | 67 | 134 | 4 | 75 | 153 | 92 | 132 | 74 |
| Common Grackle | 127 | 70 | 54 | 556 | 6 | 102 | 163 | 162 | 170 | 442 |
| blackbird sp. | | | | | | | | | | |
| Ovenbird | 143 | 25 | 13 | 89 | 3 | 44 | 147 | 49 | 77 | 18 |
| Worm-eating Warbler | | 5 | 12 | 3 | | 10 | 7 | 2 | 2 | 1 |
| Louisiana Waterthrush | 5 | | 4 | 10 | | 9 | 26 | 6 | 5 | |
| Northern Waterthrush | 15 | 2 | | 4 | 4 | 4 | 10 | 12 | 2 | 2 |
| Golden-winged Warbler | 2 | | | | | | | | | |
| Blue-winged Warbler | | | 4 | 1 | | 3 | 2 | 1 | | |
| Black-and-white Warbler | 41 | 6 | 6 | 15 | 3 | 13 | 32 | 52 | 14 | 8 |
| Prothonotary Warbler | | | 7 | 9 | 1 | | | | 6 | 8 |
| Tennessee Warbler | 5 | 3 | | 3 | | | 4 | 2 | 1 | 1 |
| Nashville Warbler | 4 | | | | | 2 | | 1 | 1 | |
| Kentucky Warbler | | | | 2 | | 2 | 11 | 2 | 4 | |
| Common Yellowthroat | 244 | 22 | 11 | 83 | 10 | 75 | 210 | 103 | 78 | |
| Hooded Warbler | 10 | 13 | 4 | 10 | 1 | 3 | 2 | 3 | 7 | 8 |
| American Redstart | 74 | 20 | 2 | 29 | | 41 | 69 | 57 | 30 | 22 |
| Cape May Warbler | | | 1 | 1 | 1 | 2 | 4 | 15 | 3 | 2 |
| Cerulean Warbler | 2 | 3 | 6 | 4 | | 2 | 1 | 1 | | 1 |
| Northern Parula | 22 | | 3 | 27 | 5 | 40 | 122 | 60 | 71 | 28 |
| Magnolia Warbler | 32 | 1 | 1 | 1 | 2 | | 7 | 15 | 11 | 9 |
| Bay-breasted Warbler | 10 | | 1 | 3 | | | 8 | 5 | | 1 |
| Blackburnian Warbler | 18 | | | 2 | | | 1 | 7 | 1 | |
| Yellow Warbler | 100 | 12 | 6 | 55 | 5 | 26 | 97 | 38 | 15 | 12 |
| Chestnut-sided Warbler | 133 | 4 | 1 | 2 | 1 | 1 | 7 | 6 | 6 | 3 |
| Blackpoll Warbler | 3 | 1 | | 5 | | 1 | 24 | 31 | 13 | 13 |
| Black-throated Blue Warbler | 40 | 2 | 1 | 13 | 2 | 11 | 34 | 32 | 18 | 8 |
| Palm Warbler | | | | 3 | | 1 | 1 | | | |
| Pine Warbler | 2 | 7 | 2 | 1 | | 6 | 10 | 9 | 5 | 20 |
| Yellow-rumped Warbler | 19 | | 8 | 7 | 3 | 21 | 60 | 65 | 29 | 7 |
| Yellow-throated Warbler | 1 | 1 | | 2 | | | 4 | | 6 | 1 |
| Prairie Warbler | | 10 | 11 | 1 | 3 | 9 | 20 | 11 | 4 | 9 |
| Black-throated Green Warbler | 70 | 7 | 2 | 2 | | 2 | 15 | 14 | 8 | 5 |
| Canada Warbler | 16 | | | | | | 5 | 6 | 2 | |
| Wilson's Warbler | 1 | | | | | | | 6 | | 2 |
| warbler sp. | | | | | | | | 5 | | |
| Summer Tanager | | | | | | | | 1 | 16 | 9 |
| Scarlet Tanager | 72 | 41 | 10 | 66 | 6 | 41 | 111 | 50 | 59 | 20 |
| tanager sp. | | | | | | | | 1 | | |
| Northern Cardinal | 106 | 93 | 106 | 580 | 21 | 269 | 821 | 338 | 294 | 377 |
| Rose-breasted Grosbeak | 63 | 6 | 1 | 6 | | 3 | 5 | 10 | 4 | 13 |
| Blue Grosbeak | | | | 10 | | 3 | 12 | 3 | 25 | 29 |
| Indigo Bunting | 59 | 43 | 66 | 229 | 13 | 81 | 244 | 50 | 141 | 116 |

**Table 5. 2019 Maryland May Count: Southern Maryland, Eastern Shore, and total observed species.**

| Species | CH | CT | SM | KE | TA | DO | CN | WI | WO | SO | Totals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Snow Goose | | | | | | | | | 1 | | 1 |
| Canada Goose | 263 | 111 | 134 | 42 | 131 | 114 | 231 | 96 | 96 | 73 | 3663 |
| Mute Swan | | | | | | | | | | | 1 |
| Trumpeter Swan | | | | | | | | | 1 | | 3 |
| Wood Duck | 67 | 10 | 8 | 24 | 3 | 14 | 40 | 3 | 16 | 1 | 392 |
| Northern Shoveler | | | | | | | | | 1 | | 1 |
| Gadwall | | | | 2 | | | | | | | 3 |
| Mallard | 59 | 32 | 15 | 135 | 49 | 67 | 25 | 25 | 90 | 7 | 1214 |
| American Black Duck | 2 | | 2 | | | 25 | | | 10 | 21 | 60 |
| Green-winged Teal | | | | | | 1 | | | 2 | | 3 |
| Canvasback | | | | | | | | | | | 2 |
| Ring-necked Duck | | | | | | | | | | | 4 |
| Lesser Scaup | | | | 1 | | | | | | | 2 |
| Surf Scoter | | | | | | | | | 1 | | 3 |
| Black Scoter | | | | | | | | | 18 | | 18 |
| Long-tailed Duck | | | | | | | | | | | 1 |
| Bufflehead | | | | | | | | | 2 | | 5 |
| Common Goldeneye | | | | | | | | | | | 3 |
| Hooded Merganser | 2 | | | | | | | | | | 10 |
| Common Merganser | | | | | | | | | | | 6 |
| Red-breasted Merganser | 3 | | | | | | | | 2 | | 7 |
| Ruddy Duck | | | | 1 | | 47 | | | 1 | | 51 |
| duck sp. | | | 4 | | | | | | | | 4 |
| Northern Bobwhite | | | | | | 7 | 5 | | | | 12 |
| Ring-necked Pheasant | | | | | | | | | | | 1 |
| Ruffed Grouse | | | | | | | | | | | 3 |
| Wild Turkey | 34 | 7 | 2 | 6 | 4 | 26 | 25 | 2 | 4 | | 195 |
| Pied-billed Grebe | | | | | | | | | | | 1 |
| Rock Pigeon | 8 | 17 | | 23 | 19 | 87 | 106 | 1 | 7 | 3 | 894 |
| Mourning Dove | 219 | 134 | 62 | 64 | 51 | 140 | 225 | 50 | 13 | 25 | 2658 |
| Yellow-billed Cuckoo | 9 | 11 | 9 | 6 | 3 | 5 | 11 | 7 | 12 | 2 | 114 |
| Black-billed Cuckoo | | | | | | | 1 | | | | 10 |
| Yellow-/Black-billed Cuckoo | | | | | | | | | | | 1 |
| Common Nighthawk | | | | | | | | | 3 | | 6 |
| Chuck-will's-widow | | 3 | 7 | | 2 | 10 | | | 9 | 1 | 32 |
| Eastern Whip-poor-will | 1 | | 2 | | | 4 | 2 | | 2 | | 22 |
| Chimney Swift | 82 | 18 | 27 | 173 | 42 | 24 | 185 | 16 | 10 | 1 | 1583 |
| Ruby-throated Hummingbird | 22 | 7 | 15 | 13 | 8 | 5 | 20 | 6 | 2 | 4 | 230 |
| Clapper Rail | | | | | | 15 | | | 1 | 42 | 58 |
| Virginia Rail | | 3 | 1 | 2 | 5 | 19 | 2 | | | 12 | 48 |

| Species | CH | CT | SM | KE | TA | DO | CN | WI | WO | SO | Totals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sora | | 2 | | | | | | | | | 4 |
| Common Gallinule | | | | | | 7 | 1 | | | | 11 |
| American Coot | | | | | | | | | | | 1 |
| Sandhill Crane | | | | | | | | | | | 2 |
| Black-necked Stilt | | | | | | 3 | | | 1 | 8 | 12 |
| American Oystercatcher | | | | | | | | | 1 | | 1 |
| Black-bellied Plover | | | | 214 | | 29 | 5 | | 398 | 5 | 654 |
| Killdeer | 26 | 3 | 18 | 6 | 3 | 9 | 23 | 4 | 5 | | 186 |
| Semipalmated Plover | | | 8 | 20 | | 21 | 27 | | 86 | 11 | 178 |
| Piping Plover | | | | | | | | | 1 | | 1 |
| Ruddy Turnstone | | | | | | 5 | 1 | | 41 | | 47 |
| Sanderling | | | | | | 4 | | | 17 | | 22 |
| Dunlin | | | | | | 273 | 20 | | 312 | 587 | 1193 |
| Purple Sandpiper | | | | | | | | | 2 | | 2 |
| Least Sandpiper | | 5 | 14 | 66 | 18 | 89 | 84 | 3 | 55 | 14 | 398 |
| White-rumped Sandpiper | | | | | | | | | | | 1 |
| Pectoral Sandpiper | | | | | | 11 | | | | | 11 |
| Semipalmated Sandpiper | 1 | 4 | | | 1 | 121 | 20 | | 30 | 43 | 242 |
| peep sp. | | | 12 | | | | | | 6 | 26 | 44 |
| Short-billed Dowitcher | | | | | | 6 | 11 | | 15 | 8 | 40 |
| American Woodcock | 1 | | 1 | | | | | | | | 5 |
| Wilson's Snipe | | | | | | | 1 | | | | 3 |
| Spotted Sandpiper | 7 | 5 | 14 | 2 | | 3 | | | 7 | 1 | 156 |
| Solitary Sandpiper | 3 | 4 | 6 | 7 | 3 | 2 | 7 | | 4 | | 134 |
| Lesser Yellowlegs | | 1 | 6 | 1 | 4 | 15 | 30 | | 11 | 4 | 82 |
| Willet | | | | | | 23 | | | 17 | 28 | 68 |
| Greater Yellowlegs | 2 | | 12 | 1 | 5 | 25 | 17 | | 14 | 11 | 88 |
| shorebird sp. | | | | | | | | | 20 | | 21 |
| Bonaparte's Gull | | | | | | | 2 | | | | 3 |
| Laughing Gull | 3 | 13 | 41 | | 213 | 1073 | 576 | 82 | 319 | 137 | 2508 |
| Ring-billed Gull | 28 | 31 | 65 | 140 | 1 | 15 | 98 | 1 | 6 | 2 | 653 |
| Herring Gull | 6 | 87 | 65 | | 3 | 69 | | 2 | 49 | 19 | 395 |
| Great Black-backed Gull | | 54 | 3 | 1 | | 4 | | | 33 | | 159 |
| gull sp. | | | 4 | | | | | | | | 15 |
| Least Tern | | | | 24 | 10 | 4 | 2 | | 19 | 1 | 102 |
| Caspian Tern | 1 | | | | 2 | 8 | | | 2 | | 66 |
| Common Tern | | | | | | 3 | | | 90 | 17 | 116 |
| Forster's Tern | 2 | | 15 | | | 62 | | 5 | 57 | 16 | 157 |
| Royal Tern | | | | | | | | | 66 | | 69 |
| Black Skimmer | | | | | | | | | 45 | | 45 |
| Common Loon | 2 | 1 | 3 | | | 1 | | | 2 | | 21 |
| Northern Gannet | | | | | | | | | 2 | | 4 |
| Double-crested Cormorant | 31 | 43 | 317 | 5 | 22 | 407 | 18 | 3 | 103 | 11 | 1662 |
| Brown Pelican | | | 11 | | | 62 | | | 3 | | 76 |

| Species | CH | CT | SM | KE | TA | DO | CN | WI | WO | SO | Totals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| American Bittern | | | | | | | | | | | 1 |
| Least Bittern | | | | | | 6 | 1 | | | | 7 |
| Great Blue Heron | 89 | 11 | 61 | 37 | 15 | 102 | 40 | 11 | 2 | 11 | 550 |
| Great Egret | 10 | 2 | 2 | | 2 | 48 | | 3 | 8 | 27 | 125 |
| Snowy Egret | | 9 | 2 | | 7 | 17 | | 1 | 30 | 20 | 88 |
| Little Blue Heron | | | | | | | | | 1 | | 2 |
| Tricolored Heron | | | | | | | | | 2 | 1 | 3 |
| Cattle Egret | | | | | | | | | 10 | | 19 |
| Green Heron | 16 | 4 | 7 | 2 | 5 | 9 | 4 | 1 | 1 | 3 | 127 |
| Black-crowned Night-Heron | | | | | | 2 | | | 14 | | 32 |
| Yellow-crowned Night-Heron | | | | | | | | | | | 11 |
| Glossy Ibis | | | | | 2 | | | | 10 | 12 | 25 |
| Black Vulture | 204 | 21 | 27 | 53 | 38 | 24 | 78 | 12 | 5 | 4 | 959 |
| Turkey Vulture | 106 | 57 | 60 | 118 | 41 | 127 | 167 | 58 | 38 | 39 | 1694 |
| Osprey | 165 | 68 | 97 | 53 | 52 | 101 | 34 | 26 | 5 | 24 | 848 |
| Northern Harrier | | | 1 | 1 | | 3 | | | | 2 | 15 |
| Sharp-shinned Hawk | 1 | 1 | | | 1 | | | | | | 11 |
| Cooper's Hawk | 4 | | 1 | 1 | 1 | | 1 | | | 1 | 44 |
| *Accipiter* sp. | | | | | | | | | | | 1 |
| Bald Eagle | 98 | 7 | 24 | 33 | 13 | 102 | 16 | 8 | 2 | 15 | 394 |
| Mississippi Kite | 1 | | | | | | | | | | 1 |
| Red-shouldered Hawk | 21 | 11 | 6 | 1 | | 2 | 13 | 1 | | | 259 |
| Broad-winged Hawk | | | | 1 | | | | | | | 22 |
| Red-tailed Hawk | 9 | 3 | 5 | 9 | 3 | 6 | 13 | 3 | 1 | | 183 |
| *Buteo* sp. | | 1 | | | | | | | | | 6 |
| Barn Owl | 16 | 1 | | | | | | | | | 17 |
| Eastern Screech-Owl | | 3 | 2 | | 2 | 4 | 2 | | | | 21 |
| Great Horned Owl | 7 | 1 | 4 | | 3 | 1 | 4 | | | | 23 |
| Barred Owl | 10 | 5 | 4 | 5 | 2 | | 8 | | 1 | | 81 |
| Belted Kingfisher | 9 | 3 | 1 | | 1 | 1 | 6 | | | | 63 |
| Red-headed Woodpecker | 10 | 2 | 6 | | 3 | 21 | | 1 | 2 | 2 | 101 |
| Red-bellied Woodpecker | 80 | 51 | 36 | 37 | 9 | 14 | 46 | 10 | 3 | 4 | 1199 |
| Yellow-bellied Sapsucker | | | | | | | | | | | 7 |
| Downy Woodpecker | 34 | 14 | 12 | 12 | 7 | 10 | 19 | 5 | 1 | 6 | 433 |
| Hairy Woodpecker | 15 | 5 | 5 | 6 | 3 | 3 | 8 | | 1 | | 169 |
| Northern Flicker | 12 | 3 | 8 | 4 | | 12 | 9 | 2 | 3 | 5 | 240 |
| Pileated Woodpecker | 34 | 19 | 8 | 7 | 13 | 13 | 30 | 8 | 2 | 2 | 349 |
| woodpecker sp. | | | | | | | | | | | 1 |
| American Kestrel | 2 | 1 | | | | | 4 | | | | 29 |
| Peregrine Falcon | | | | | 1 | | | | 1 | | 7 |
| Great Crested Flycatcher | 85 | 47 | 60 | 52 | 29 | 89 | 83 | 46 | 25 | 33 | 1167 |
| Eastern Kingbird | 48 | 35 | 30 | 35 | 15 | 51 | 30 | 15 | 7 | 6 | 754 |
| Eastern Wood-Pewee | 72 | 62 | 42 | 50 | 14 | 27 | 37 | 7 | 14 | 5 | 743 |
| Acadian Flycatcher | 72 | 76 | 42 | 36 | 4 | 6 | 19 | 5 | 7 | 1 | 532 |

| Species | CH | CT | SM | KE | TA | DO | CN | WI | WO | SO | Totals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alder Flycatcher | 1 | | | | | | | | | | 3 |
| Willow Flycatcher | | | | | | | | | | | 19 |
| Traill's Flycatcher | | | | | | | | | | | 1 |
| Least Flycatcher | | 1 | | | | | | | | | 18 |
| *Empidonax* sp. | | | | | | | | | | | 5 |
| Eastern Phoebe | 43 | 6 | 5 | 5 | | 1 | 20 | | 1 | 1 | 329 |
| White-eyed Vireo | 52 | 50 | 9 | 15 | 6 | 32 | 22 | 17 | 32 | 6 | 388 |
| Yellow-throated Vireo | 26 | 13 | 4 | 3 | | 4 | 4 | | 3 | 1 | 135 |
| Blue-headed Vireo | 1 | 2 | 1 | | 1 | | 1 | | | | 47 |
| Warbling Vireo | | 1 | | 5 | | | | | | | 154 |
| Red-eyed Vireo | 201 | 181 | 82 | 124 | 12 | 31 | 55 | 27 | 15 | 10 | 2355 |
| Blue Jay | 66 | 56 | 53 | 30 | 29 | 39 | 58 | 15 | 1 | 5 | 1872 |
| American Crow | 167 | 88 | 71 | 13 | 27 | 91 | 82 | 38 | 23 | 10 | 1762 |
| Fish Crow | 28 | 40 | 48 | 25 | 7 | 16 | 21 | 5 | 12 | 1 | 469 |
| crow sp. | | 1 | 10 | 12 | | 24 | | 17 | | 4 | 323 |
| Common Raven | 3 | | | | | | | | | | 71 |
| Horned Lark | 1 | | 1 | 7 | 18 | 28 | 37 | | 6 | | 157 |
| Bank Swallow | 2 | | 1 | 3 | | | 12 | | | | 35 |
| Tree Swallow | 62 | 9 | 29 | 33 | 74 | 142 | 42 | 11 | 14 | 25 | 1369 |
| N. Rough-winged Swallow | 15 | 5 | | 2 | 2 | 2 | 6 | | | | 393 |
| Purple Martin | 110 | 51 | 19 | 39 | 116 | 169 | 142 | 56 | 14 | 6 | 899 |
| Barn Swallow | 182 | 83 | 109 | 162 | 54 | 228 | 196 | 102 | 53 | 19 | 2949 |
| Cliff Swallow | | | | | | 2 | 3 | | | | 242 |
| swallow sp. | | | | | | | | | | | 11 |
| Carolina Chickadee | 66 | 48 | 52 | 25 | 22 | 30 | 49 | 8 | 9 | 6 | 677 |
| Black-capped Chickadee | | | | | | | | | | | 130 |
| Tufted Titmouse | 129 | 95 | 49 | 34 | 13 | 39 | 51 | 21 | 20 | 7 | 1035 |
| Red-breasted Nuthatch | | | | | | | | | | | 7 |
| White-breasted Nuthatch | 37 | 9 | 5 | 10 | 7 | | 9 | | 3 | | 353 |
| Brown-headed Nuthatch | 1 | 4 | 22 | 2 | 2 | 19 | 3 | | 2 | 1 | 56 |
| Brown Creeper | 1 | | | | | | | | | | 11 |
| House Wren | 2 | 4 | 5 | 2 | 10 | 15 | 11 | 4 | 2 | 14 | 530 |
| Winter Wren | | | | | | | | | | | 2 |
| Marsh Wren | | 2 | | | | 20 | 1 | | | 89 | 116 |
| Carolina Wren | 161 | 115 | 88 | 110 | 31 | 47 | 76 | 32 | 22 | 16 | 2036 |
| Blue-gray Gnatcatcher | 139 | 90 | 61 | 56 | 7 | 35 | 60 | 8 | 41 | 6 | 1302 |
| Golden-crowned Kinglet | 1 | | | | | | | | | | 8 |
| Ruby-crowned Kinglet | 3 | | 1 | | | | | | | | 12 |
| Eastern Bluebird | 137 | 52 | 74 | 20 | 54 | 49 | 82 | 9 | 4 | 7 | 1176 |
| Veery | | 5 | | 1 | | | 1 | | | | 60 |
| Gray-cheeked Thrush | 1 | 2 | | 1 | | | | | | | 14 |
| Swainson's Thrush | 4 | 6 | 1 | 1 | | 1 | | | | | 70 |
| Hermit Thrush | 1 | | | | 2 | | | | | | 29 |
| Wood Thrush | 85 | 55 | 44 | 64 | 9 | 11 | 23 | 10 | 15 | 2 | 1086 |

| Species | CH | CT | SM | KE | TA | DO | CN | WI | WO | SO | Totals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| American Robin | 144 | 69 | 99 | 161 | 69 | 114 | 287 | 89 | 18 | 13 | 3972 |
| Gray Catbird | 32 | 18 | 36 | 15 | 6 | 30 | 29 | 5 | 9 | 6 | 2082 |
| Brown Thrasher | 37 | 19 | 25 | 19 | 7 | 16 | 37 | 6 | 3 | 3 | 408 |
| Northern Mockingbird | 109 | 43 | 47 | 41 | 26 | 58 | 72 | 21 | 11 | 9 | 1048 |
| European Starling | 277 | 111 | 69 | 245 | 194 | 259 | 487 | 137 | 86 | 33 | 6004 |
| Cedar Waxwing | 126 | 78 | 23 | 70 | 38 | 4 | 18 | | | | 1996 |
| House Sparrow | 114 | 123 | 29 | 78 | 34 | 24 | 172 | 10 | 7 | 4 | 1976 |
| House Finch | 85 | 49 | 47 | 21 | 16 | 11 | 64 | 13 | 2 | 6 | 943 |
| Purple Finch | | | | | | | 3 | | | | 24 |
| Pine Siskin | | | | | | | | | | | 23 |
| American Goldfinch | 53 | 71 | 40 | 41 | 12 | 29 | 102 | 18 | 3 | 2 | 1546 |
| Grasshopper Sparrow | 12 | 9 | 26 | 9 | 17 | 20 | 12 | 4 | 4 | | 235 |
| Chipping Sparrow | 221 | 126 | 107 | 83 | 45 | 89 | 135 | 36 | 27 | 3 | 2170 |
| Field Sparrow | 14 | 10 | 20 | 10 | 11 | 10 | 23 | 8 | 7 | 1 | 548 |
| Dark-eyed Junco | | | | | | | | | | | 17 |
| White-crowned Sparrow | | | | | | | | | | | 3 |
| White-throated Sparrow | 8 | | 4 | 5 | | | 2 | 2 | | | 88 |
| Vesper Sparrow | | | | 1 | | 2 | 3 | | | | 15 |
| Seaside Sparrow | | | | | | 45 | | 3 | 9 | 91 | 148 |
| Saltmarsh Sparrow | | | | | | 2 | | | 1 | 9 | 12 |
| sharp-tailed sparrow sp. | | | | | | | | | | 1 | 1 |
| Henslow's Sparrow | | | | | | | | | | | 1 |
| Savannah Sparrow | 2 | 4 | 4 | | | 5 | | | | 4 | 77 |
| Song Sparrow | 9 | 30 | 15 | 9 | 2 | 9 | 5 | 6 | 2 | 10 | 1008 |
| Lincoln's Sparrow | | | | | | | | | | | 3 |
| Swamp Sparrow | 1 | 1 | | | | 6 | | | | | 81 |
| Eastern Towhee | 8 | 16 | 13 | 23 | 2 | 7 | 7 | 5 | 8 | 4 | 792 |
| Yellow-breasted Chat | 8 | 10 | 12 | 7 | 6 | 11 | 12 | 1 | 2 | 2 | 126 |
| Bobolink | 6 | | | | | | 6 | | | | 410 |
| Eastern Meadowlark | 9 | 4 | 21 | | | 4 | 1 | | 5 | 6 | 205 |
| Orchard Oriole | 23 | 26 | 28 | 29 | 8 | 34 | 14 | 11 | 1 | 14 | 408 |
| Baltimore Oriole | 8 | 2 | 4 | 11 | 1 | 1 | 11 | | 1 | | 539 |
| Red-winged Blackbird | 205 | 303 | 152 | 287 | 124 | 590 | 266 | 99 | 118 | 174 | 5515 |
| Brown-headed Cowbird | 131 | 79 | 91 | 61 | 27 | 73 | 118 | 12 | 27 | 7 | 1407 |
| Common Grackle | 327 | 174 | 278 | 320 | 183 | 325 | 405 | 116 | 133 | 55 | 4168 |
| Boat-tailed Grackle | | | | | | 13 | | | 6 | 16 | 35 |
| blackbird sp. | | 15 | | | | | 30 | | | | 45 |
| Ovenbird | 89 | 31 | 52 | 40 | 13 | 31 | 47 | 20 | 18 | 9 | 958 |
| Worm-eating Warbler | 8 | 31 | 14 | 5 | 8 | 14 | 11 | | 12 | | 145 |
| Louisiana Waterthrush | 31 | 5 | 6 | 1 | 1 | 2 | 10 | | 8 | 1 | 130 |
| Northern Waterthrush | 1 | 2 | 1 | 1 | | 1 | | | 1 | | 62 |
| Golden-winged Warbler | | | | | | | | | | | 2 |
| Blue-winged Warbler | 3 | 1 | | | | | | | | | 15 |
| Black-and-white Warbler | 28 | 18 | 13 | 10 | 1 | 5 | 8 | 1 | 9 | | 283 |

| Species | CH | CT | SM | KE | TA | DO | CN | WI | WO | SO | Totals |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Prothonotary Warbler | 29 | 2 | | 2 | | 4 | 33 | 15 | 13 | 2 | 131 |
| Tennessee Warbler | | | | | | | 1 | | | | 20 |
| Nashville Warbler | | 1 | | | | | | | | | 9 |
| Kentucky Warbler | 8 | 4 | 10 | 4 | | | 6 | | 1 | | 54 |
| Common Yellowthroat | 60 | 100 | 68 | 47 | 20 | 90 | 29 | 8 | 27 | 38 | 1323 |
| Hooded Warbler | 41 | 28 | 10 | | | 1 | | 1 | | | 142 |
| American Redstart | 22 | 23 | 31 | 10 | 5 | 3 | 5 | | 7 | 1 | 451 |
| Cape May Warbler | 4 | 1 | | | | 1 | | | 1 | | 36 |
| Cerulean Warbler | | | | | | | | | | | 20 |
| Northern Parula | 130 | 89 | 46 | 12 | 7 | 7 | 15 | 2 | 12 | 1 | 699 |
| Magnolia Warbler | 1 | 3 | 7 | 1 | | 1 | 3 | | 2 | | 97 |
| Bay-breasted Warbler | | | | | | | 1 | | | | 29 |
| Blackburnian Warbler | 2 | | | | | | | | | | 31 |
| Yellow Warbler | 4 | 3 | 13 | 1 | 2 | 1 | 1 | 1 | | 5 | 397 |
| Chestnut-sided Warbler | 2 | 3 | 2 | | | | 1 | | | | 172 |
| Blackpoll Warbler | 13 | 12 | 14 | 2 | 3 | 2 | 3 | | 3 | | 143 |
| Black-throated Blue Warbler | 7 | 12 | 22 | 4 | | | 2 | | | | 208 |
| Palm Warbler | 1 | | | | | | | | | | 6 |
| Pine Warbler | 16 | 23 | 41 | 4 | 7 | 28 | 38 | 17 | 17 | 3 | 256 |
| Yellow-rumped Warbler | 20 | | 1 | 6 | | 2 | 8 | | | 1 | 257 |
| Yellow-throated Warbler | 28 | 38 | 16 | | | 4 | 3 | 1 | 13 | 2 | 120 |
| Prairie Warbler | 24 | 3 | 19 | | 1 | 8 | 8 | 9 | 17 | 3 | 170 |
| Black-throated Green Warbler | 2 | 1 | 9 | 4 | | 2 | 2 | | | | 145 |
| Canada Warbler | | | | | | | | | | | 29 |
| Wilson's Warbler | | 1 | 2 | | | | | | | | 12 |
| warbler sp. | | | | | | | | | | | 5 |
| Summer Tanager | 27 | 51 | 27 | | 2 | 25 | 37 | 17 | 6 | 3 | 221 |
| Scarlet Tanager | 52 | 35 | 15 | 33 | 7 | 8 | 29 | | 1 | | 656 |
| tanager sp. | | | 1 | | | | | | | | 2 |
| Northern Cardinal | 245 | 189 | 200 | 166 | 66 | 80 | 176 | 50 | 19 | 15 | 4211 |
| Rose-breasted Grosbeak | 1 | 2 | 5 | | | | 1 | | 2 | | 122 |
| Blue Grosbeak | 30 | 20 | 47 | 23 | 23 | 35 | 60 | 25 | 16 | 2 | 363 |
| Indigo Bunting | 141 | 102 | 102 | 115 | 23 | 46 | 120 | 35 | 18 | 5 | 1749 |
| Dickcissel | | | | | | | 2 | | | | 2 |

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# 2019 Maryland Fall Count

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The annual Maryland Fall Count is held on the third weekend in September with the choice of Saturday or Sunday at the discretion of the county and/or compiler. In 2019, data from 13 of Maryland's 23 counties were compiled. Six counties counted on 21 September, six on 22 September, and one on 15 September (Table 1). Receiving results from 13 counties is average participation for Fall Count. For several counties this seasonal count has been a long-held tradition, with this year being the 29th count for Allegany, 26th for Howard, and 24th for Dorchester. This was the second count for Somerset and Wicomico and their firsts with significant coverage.

**Table 1: 2019 Maryland Fall Count: participating counties, county codes, survey dates, and compilers.**

| County | Code | Survey Date | Compiler |
|---|---|---|---|
| Allegany | AL | 15 September 2019 | Chuck Hager |
| Washington | WA | 21 September 2019 | Doris Berger |
| Carroll | CA | 22 September 2019 | Scott Hodgdon |
| Howard | HO | 21 September 2019 | Mike McClure, Chuck Stirrat |
| Montgomery | MO | 22 September 2019 | Ron Johnson |
| Prince George's | PG | 22 September 2019 | Fred Fallon |
| Calvert | CT | 22 September 2019 | Sherman Suter |
| Kent | KE | 22 September 2019 | Walter Ellison |
| Caroline | CN | 21 September 2019 | Debby Bennett |
| Talbot | TA | 21 September 2019 | Ron Ketter |
| Dorchester | DO | 21 September 2019 | Harry Armistead |
| Somerset | SO | 22 September 2019 | Pat Valdata |
| Wicomico | WI | 21 September 2019 | Paul Bystrak |

The weather varied over the extent of the state and from Saturday to Sunday, but the difference was not dramatic. Temperatures were in the high 50s °F pre-dawn, rising to the high 80s °F by mid-afternoon both days. Allegany counted on the prior Sunday and had cooler temperatures starting in the 50s °F rising to

the mid 70s °F. Winds in all counties were generally less than 5 mph (8 km/h) in the mornings. The winds observed on the Eastern Shore were slightly higher with winds up to 15 mph (24 km/h) from the southwest on Saturday. Cloud coverage was quite consistent across the state with mostly clear skies all mornings and on Saturday afternoon. Sunday afternoon saw increasing cloud coverage up to 50%. There were no reports of precipitation either day. A number of reports commented the day was quite humid.

A total of 188 field observers in 130 parties turned up 191 species and 59,916 individual birds compared to 195.2 species and 64,490 individuals as the average of prior six counts. They spent a total of 396.1 hours and covered 252.0 mi (405.6 km) on foot and spent 29.6 hours stationary. Birders spent 194.4 hours and 2051.6 mi (3301.7 km) birding by car. Participants in eight counties reported spending 19.1 hours traveling 52.6 mi (84.7 km) while owling. Feeder watchers spent 19.4 hours (Table 2). A group of 14 young birders counted in Dorchester County, marking at least eight years in a row a Youth MOS group has participated. This year's effort (party-hours) is 93% of the average of the prior six counts.

**Table 2. 2019 Maryland Fall Count: summary.**

| | AL | WA | CA | HO | MO | PG | CT | KE | CN | TA | DO | SO | WI | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Species | 99 | 60 | 92 | 124 | 38 | 84 | 120 | 93 | 98 | 64 | 154 | 81 | 63 | 191 |
| Total Birds | 1556 | 1633 | 4285 | 10,115 | 584 | 2512 | 9378 | 2241 | 6116 | 1314 | 16,953 | 1219 | 2010 | 59,916 |
| Start Time | 0350 | | 0600 | 0001 | 0655 | | 0555 | 0620 | 0600 | 0630 | 0440 | 0645 | 0815 | 0001 |
| Stop Time | 1930 | | 1930 | 2330 | 1050 | | 1930 | 1915 | 2045 | 1800 | 2000 | 1800 | 1830 | 2330 |
| Parties | 8 | 5 | 12 | 44 | 1 | 14 | 9 | 1 | 13 | 5 | 10 | 3 | 5 | 130 |
| Individual People | 11 | 7 | 23 | 52 | 3 | 16 | 11 | 2 | 16 | 6 | 31 | 3 | 7 | 188 |
| Hours Driving | 25.0 | 21.2 | 4.1 | 40.5 | | 4.3 | 6.3 | 7.0 | 27.0 | 2.0 | 40.0 | 14.0 | 3.0 | 194.4 |
| Miles Driving | 110.0 | 226.1 | 220.7 | 396.7 | | 30.7 | 36.5 | 31.5 | 319.0 | 25.0 | 504.0 | 111.4 | 40.0 | 2051.6 |
| Hours Walking | 25.3 | 1.5 | 17.1 | 135.9 | 3.9 | 36.4 | 30.5 | 6.0 | 34.5 | 26.6 | 62.0 | 6.1 | 10.3 | 396.1 |
| Miles Walking | 21.9 | 0.8 | | 111.6 | 3.0 | 25.5 | 22.1 | 2.5 | 18.8 | 7.8 | 30.0 | 3.1 | 4.9 | 252.0 |
| Stationary Hours | 8.0 | 2.0 | 3.2 | 10.0 | | 0.4 | 5.0 | | | | | | 1.0 | 29.6 |
| Feeder Hours | 1.0 | | 6.0 | 2.9 | | | 2.5 | | 5.0 | | | | 2.0 | 19.4 |
| Hours Owling | 1.5 | | 2.0 | 1.1 | | 1.4 | 0.3 | | 4.8 | | 7.0 | | 1.0 | 19.1 |
| Miles Owling | | | 0.5 | 0.4 | | 0.7 | 0.0 | | 11.0 | | 40.0 | | | 52.6 |

There was only one write-in species reported. A Bicknell's Thrush was found in Kent by Walter Ellison and Nancy Martin. Other species with only a single individual found statewide included Stilt Sandpiper (Dorchester), Black Tern (Calvert), Yellow-bellied Sapsucker (Calvert), Olive-sided Flycatcher (Howard), Brown Creeper (Dorchester), Gray-cheeked Thrush (Allegany), Hermit Thrush (Carroll), Saltmarsh Sparrow (Dorchester), and Prothonotary Warbler (Caroline) (Table 3). The 60 Black Skimmers found in Somerset was the first time this species was found in the last seven counts.

The following highlights were noted by compilers and the author. Two county coordinators recited enjoying sightings of Summer Tanagers. Pat Valdata commented on a "gutsy" Lincoln's Sparrow that went after a large Eastern Ratsnake (aka Black Ratsnake) in Somerset. No Red-breasted Nuthatches were reported consistent with this not being an irruption year for this species. There was a new high count (195, prior 164) for Pine Warbler with 69% of those being found in Dorchester. The Black Skimmers and a new high for Boat-tailed Grackle (25, prior 8) probably reflect the more extensive coverage in Somerset. In total there were eight species with new highs more than 20% above the high in the six prior counts, but ignoring new highs where a species was infrequent (i.e., observed less than four years).

In contrast there were 12 species with new lows more than 25% less than the prior low in the prior six counts. Harry Armistead offered the following observation, "This is the worst fall in my memory for landbird/passerine migration." Examples include a new low for Great Crested Flycatchers (7, prior 14, average 26) perhaps in part reflecting that this is the latest date the third weekend in September can occur. The most dramatic new lows were seen in the blackbirds (i.e., Red-winged Blackbird, Brown-headed Cowbird, Common Grackle, Boat-tailed Grackle, and unidentified blackbird). Cumulatively, blackbirds showed a new low (3,403, prior 6,204, average 7,611.7).

There were 28 species that were observed in only one county. Twelve of these were observed in Dorchester County, with the rest being three in Allegany, Howard, Calvert and Somerset, and one in Washington, Carroll, Kent, and Caroline. Eighteen species were reported in all 13 counties which is to be expected due to some counties having very limited coverage and the wide variability of habitat across the state.

Thank you to all participants and especially the compilers. I urge more participants to enjoy the experience and join in one of the 2020 counts that will be held on 19 or 20 September. I hope additional counties will have volunteers who choose to organize a count in the future and reverse the trend of decreasing interest and participation in organized seasonal counts.

## Table 3. 2019 Maryland Fall Count: observed species.

| Species | AL | WA | CA | HO | MO | PG | CT | KE | CN | TA | DO | SO | WI | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Canada Goose | | 29 | 415 | 1181 | 420 | 321 | 159 | 60 | 185 | 209 | 1249 | 82 | 37 | 4347 |
| Wood Duck | 21 | 7 | | 34 | | 4 | 30 | 7 | 20 | | 129 | | | 252 |
| Blue-winged Teal | | | | | | | | 13 | | | 64 | | | 77 |
| Northern Shoveler | | | | | | | | 7 | | | 85 | | | 92 |
| Mallard | 2 | 25 | 27 | 75 | 2 | 27 | 33 | 75 | 29 | 5 | 90 | 4 | 4 | 398 |
| American Black Duck | | | | | | | | 2 | | | 27 | 2 | | 31 |
| Green-winged Teal | | | | | | | | 9 | | | 4 | | | 13 |
| Common Merganser | 4 | | | | | | | | | | | | | 4 |
| Ruddy Duck | | | | | | | | | | | 11 | | | 11 |
| Northern Bobwhite | | | | | | | | | | | 3 | | | 3 |
| Wild Turkey | 1 | 1 | 2 | 1 | | 9 | 4 | 6 | 66 | | 13 | 13 | 4 | 120 |
| Pied-billed Grebe | | | | 2 | | | | 1 | | | 1 | | | 4 |
| Rock Pigeon | 85 | 127 | 95 | 150 | | 11 | | 2 | 88 | | 30 | 141 | 1 | 730 |
| Mourning Dove | 50 | 58 | 167 | 331 | 4 | 73 | 62 | 21 | 203 | 12 | 187 | 18 | 34 | 1220 |
| Yellow-billed Cuckoo | | 1 | 15 | 25 | 1 | 5 | 8 | 2 | | | 1 | | 1 | 59 |
| Black-billed Cuckoo | | | | 2 | | | | | | | | | | 2 |
| Yellow-billed/Black-billed Cuckoo | | | | | | | 1 | | | | | | | 1 |
| Common Nighthawk | | | 2 | 10 | | | | | | | 3 | | | 15 |
| Chimney Swift | 16 | 47 | 155 | 306 | | 181 | 31 | 1 | 92 | | 7 | | 5 | 841 |
| Ruby-throated Hummingbird | 14 | 5 | 20 | 21 | | 4 | 13 | 5 | 24 | 5 | 14 | 3 | 3 | 131 |
| Clapper Rail | | | | | | | | | | | 25 | | | 25 |
| King Rail | | | | | | | | | | | 3 | 1 | | 4 |
| Virginia Rail | | | | | | | | 1 | | | 51 | 3 | | 55 |
| Sora | 2 | | | | | | | | | | 2 | 1 | | 5 |
| Common Gallinule | | | | | | | | | | | 3 | 1 | | 4 |
| American Coot | | | | | | | | | | | | 4 | | 4 |
| Killdeer | 2 | 2 | 18 | 28 | 2 | 3 | 5 | 3 | 57 | 1 | 31 | 3 | 2 | 157 |
| Semipalmated Plover | | | | | | 3 | | | | | 8 | | | 11 |
| Ruddy Turnstone | | | | | | | | | | | 4 | | | 4 |
| Stilt Sandpiper | | | | | | | | | | | 1 | | | 1 |
| Sanderling | | | | | | | | | | | 9 | | | 9 |
| Least Sandpiper | | | | | | 6 | 1 | | | | 20 | 10 | | 37 |
| Pectoral Sandpiper | | | | | | | | | | | 18 | | | 18 |
| Semipalmated Sandpiper | | | | | | | | | | | 25 | | | 25 |
| Wilson's Snipe | | | | | | | | | 8 | | 1 | | | 9 |
| Spotted Sandpiper | | | | 1 | | | | 1 | 4 | | 5 | | | 11 |
| Solitary Sandpiper | | | 1 | 2 | | 2 | | | | | 1 | | | 6 |
| Lesser Yellowlegs | | | 1 | | | 1 | 1 | 4 | | 17 | 10 | | | 34 |
| Greater Yellowlegs | | | 1 | | | | | | | 62 | 14 | 5 | | 82 |
| unidentified yellowlegs | | | | | | | | | | | | 30 | | 30 |
| Laughing Gull | | | | | | 253 | 2808 | 694 | 188 | 206 | 1451 | 185 | 344 | 6129 |
| Ring-billed Gull | | | | 2 | | 50 | 76 | 34 | 100 | 17 | 66 | 14 | | 359 |
| Herring Gull | | | | | | | 173 | 16 | 3 | 12 | 362 | 80 | 85 | 731 |
| Great Black-backed Gull | | | | | | | 643 | 4 | | | 108 | 2 | 1 | 758 |
| unidentified gull | | | | | | | 501 | | 20 | | 20 | 1 | 6 | 548 |
| Caspian Tern | | | | | | 5 | 2 | 7 | | | 18 | 5 | | 37 |
| Black Tern | | | | | | | 1 | | | | | | | 1 |
| Common Tern | | | | | | | 88 | | | | 8 | | | 96 |
| Forster's Tern | | | | | | 29 | 821 | 52 | 3 | 8 | 588 | 6 | 36 | 1543 |
| Common/Forster's Tern | | | | | | | 150 | | | | | | | 150 |
| Royal Tern | | | | | | | 41 | 5 | 1 | 3 | 101 | | 106 | 257 |
| Black Skimmer | | | | | | | | | | | | 60 | | 60 |
| Double-crested Cormorant | | | 3 | 14 | | 49 | 486 | 157 | 28 | 190 | 455 | 23 | 119 | 1524 |
| American White Pelican | | | | | | | | | | | 3 | | | 3 |
| Brown Pelican | | | | | | | 11 | | | | 234 | | | 245 |
| Great Blue Heron | 3 | 4 | 10 | 29 | 1 | 10 | 28 | 27 | 20 | 12 | 83 | 11 | 3 | 241 |
| Great Egret | | 3 | 1 | 5 | | 58 | 7 | 7 | | 9 | 89 | 25 | | 204 |

| Species | AL | WA | CA | HO | MO | PG | CT | KE | CN | TA | DO | SO | WI | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Snowy Egret | | | | | | | 6 | | | 45 | 46 | 5 | | 102 |
| Little Blue Heron | | | | | | | | | | | | 2 | | 2 |
| Tricolored Heron | | | | | | | | | | | 19 | 5 | | 24 |
| Cattle Egret | | | | | | | | 6 | | | 26 | | | 32 |
| Green Heron | | 1 | 4 | 17 | | 7 | 2 | 1 | 4 | 1 | 4 | | 2 | 43 |
| Black-crowned Night-Heron | | | | 2 | | | 2 | 1 | | | 1 | | | 6 |
| Glossy Ibis | | | | | | | | | | 2 | 1 | | | 3 |
| Black Vulture | 22 | 51 | 69 | 278 | 2 | 80 | 55 | 14 | 48 | 3 | 69 | 6 | 2 | 699 |
| Turkey Vulture | 87 | 33 | 146 | 288 | | 34 | 94 | 67 | 197 | 25 | 468 | 38 | 88 | 1565 |
| Osprey | 1 | | 2 | 3 | 1 | | 40 | 4 | 3 | 13 | 45 | 7 | | 119 |
| Northern Harrier | | | 1 | 3 | | | | | 3 | | 10 | 2 | | 19 |
| Sharp-shinned Hawk | 2 | 2 | 3 | 7 | | | 1 | 1 | 3 | | 5 | 1 | | 25 |
| Cooper's Hawk | 4 | | 5 | 10 | | 1 | | | 4 | | 9 | | 1 | 34 |
| unidentified *Accipiter* | | | | | | 1 | 1 | | | | | | | 2 |
| Bald Eagle | 1 | 3 | 5 | 7 | | 5 | 49 | 18 | 23 | 12 | 96 | 5 | 8 | 232 |
| Red-shouldered Hawk | 8 | 3 | 15 | 60 | 2 | 8 | 12 | 1 | 4 | | 2 | | | 115 |
| Broad-winged Hawk | 67 | | 28 | 143 | | | | | | | 2 | | | 240 |
| Red-tailed Hawk | 7 | 1 | 50 | 17 | | | 7 | 1 | 9 | 2 | 13 | | | 107 |
| unidentified *Buteo* | | | | | | 2 | | | 2 | | | | | 4 |
| Eastern Screech-Owl | 6 | | 1 | 6 | | | 2 | 2 | 5 | | 25 | 1 | 2 | 50 |
| Great Horned Owl | | | | 1 | | 1 | | 1 | 5 | 3 | 22 | | | 33 |
| Barred Owl | | 2 | 2 | 3 | | | 2 | 1 | 8 | | 8 | | | 26 |
| Belted Kingfisher | 3 | 3 | 11 | 24 | 1 | 2 | 5 | 4 | 11 | 4 | 9 | 2 | 1 | 80 |
| Red-headed Woodpecker | 1 | | 4 | 4 | | 1 | 2 | | | | 16 | 1 | | 29 |
| Red-bellied Woodpecker | 21 | 29 | 130 | 222 | 10 | 40 | 81 | 37 | 58 | 3 | 43 | 3 | 12 | 689 |
| Yellow-bellied Sapsucker | | | | | | | 1 | | | | | | | 1 |
| Downy Woodpecker | 23 | 14 | 62 | 123 | 7 | 33 | 64 | 13 | 24 | 7 | 58 | 6 | 9 | 443 |
| Hairy Woodpecker | 9 | | 21 | 23 | | 5 | 15 | 8 | 4 | | 6 | 1 | | 92 |
| Northern Flicker | 8 | 14 | 37 | 107 | | 16 | 23 | 17 | 23 | 4 | 39 | 3 | 1 | 292 |
| Pileated Woodpecker | 13 | 5 | 24 | 58 | 1 | 6 | 24 | 5 | 24 | 3 | 14 | 2 | 5 | 184 |
| American Kestrel | 1 | | 2 | 18 | | | | 2 | 4 | | 28 | | | 55 |
| Merlin | | | | 1 | | | | 1 | 2 | | 4 | | | 8 |
| Peregrine Falcon | | | 1 | 1 | | 1 | | | | | 2 | | | 5 |
| Great Crested Flycatcher | | | | | | | 2 | 1 | | 1 | 2 | 1 | | 7 |
| Eastern Kingbird | | | | 6 | | | | | | | 3 | | 1 | 10 |
| Olive-sided Flycatcher | | | | 1 | | | | | | | | | | 1 |
| Eastern Wood-Peewee | 11 | 4 | 22 | 40 | | 4 | 31 | 13 | 6 | 1 | 2 | | | 134 |
| Acadian Flycatcher | 3 | | 1 | | 1 | 4 | 9 | | 1 | | | | | 19 |
| Least Flycatcher | 1 | | | 1 | | | 2 | 1 | 2 | | 3 | | | 10 |
| unidentified *Empidonax* | | | 5 | 7 | | | 2 | | | | 4 | | 1 | 19 |
| Eastern Phoebe | 10 | 8 | 15 | 41 | 1 | 11 | 13 | 3 | 10 | 2 | 8 | 1 | | 123 |
| White-eyed Vireo | 1 | | 10 | 16 | | 4 | 23 | 2 | 10 | | 14 | 4 | | 84 |
| Yellow-throated Vireo | 6 | 1 | 2 | 1 | | | 5 | | | | | | | 15 |
| Blue-headed Vireo | 1 | | | | | | | | | | 1 | | | 2 |
| Philadelphia Vireo | | | | | | | 1 | | 1 | | | | 1 | 3 |
| Red-eyed Vireo | 36 | 1 | 24 | 44 | 1 | 11 | 48 | 8 | 10 | 2 | 9 | | 1 | 195 |
| Blue Jay | 70 | 72 | 303 | 656 | 14 | 130 | 147 | 48 | 116 | 38 | 199 | 11 | 26 | 1830 |
| American Crow | 33 | 33 | 161 | 265 | 2 | 29 | 104 | 11 | 103 | 90 | 193 | 18 | 16 | 1058 |
| Fish Crow | | 18 | 9 | 145 | 1 | 33 | 35 | 7 | 32 | 7 | 14 | 7 | 13 | 321 |
| unidentified crow | | | 4 | 158 | | | 4 | | | | 103 | 11 | | 280 |
| Common Raven | 19 | 6 | | 10 | | 4 | | | | | | | | 39 |
| Horned Lark | | | 8 | 5 | | | | | 31 | | 18 | | 11 | 73 |
| Bank Swallow | | | | | | | | | | | 4 | | | 4 |
| Tree Swallow | | 74 | | 11 | | 60 | 5 | | 1650 | 6 | 2044 | | | 3850 |
| N. Rough-winged Swallow | | | | | | | 6 | | 2 | 9 | | | | 17 |
| Barn Swallow | | 48 | | 11 | | 1 | 4 | | 8 | | 108 | | 3 | 183 |
| Cliff Swallow | 1 | | | | | | | | | | 2 | | | 3 |
| unidentified swallow | | | | | | 1 | | | | | | | | 1 |
| Carolina Chickadee | 2 | 17 | 48 | 130 | 5 | 44 | 141 | 18 | 68 | 13 | 150 | 13 | 29 | 678 |
| Black-capped Chickadee | 23 | | | | | | | | | | | | | 23 |
| Tufted Titmouse | 30 | 5 | 35 | 91 | 6 | 30 | 181 | 19 | 80 | 8 | 114 | 6 | 23 | 628 |

| Species | AL | WA | CA | HO | MO | PG | CT | KE | CN | TA | DO | SO | WI | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| White-breasted Nuthatch | 28 | 10 | 57 | 105 | 3 | 19 | 40 | 8 | 20 | 2 | 3 | | | 295 |
| Brown-headed Nuthatch | | | | | | | 5 | 9 | | 6 | 88 | 9 | | 117 |
| Brown Creeper | | | | | | | | | | | 1 | | | 1 |
| House Wren | 3 | | 11 | 45 | 2 | 1 | 10 | 3 | 4 | 1 | 17 | 5 | 3 | 105 |
| Winter Wren | | | | | | | 3 | | | | | | | 3 |
| Marsh Wren | | | | | | | 2 | | 1 | | 6 | 3 | | 12 |
| Carolina Wren | 33 | 41 | 146 | 369 | 11 | 86 | 194 | 67 | 93 | 25 | 155 | 14 | 13 | 1247 |
| Blue-gray Gnatcatcher | 7 | | | 17 | | 1 | 6 | 4 | 1 | 1 | 13 | 2 | | 52 |
| Ruby-crowned Kinglet | | | | 3 | | 1 | 1 | | | | 3 | | | 8 |
| Eastern Bluebird | 21 | 64 | 59 | 211 | 2 | 35 | 76 | 24 | 66 | 8 | 119 | 7 | 22 | 714 |
| Veery | 2 | | 1 | 2 | | | 1 | 2 | 1 | | 5 | | | 14 |
| Gray-cheeked Thrush | 1 | | | | | | | | | | | | | 1 |
| Bicknell's Thrush | | | | | | | | 1 | | | | | | 1 |
| Swainson's Thrush | 2 | | 4 | 2 | | | 1 | | | | 3 | | | 12 |
| Hermit Thrush | | | 1 | | | | | | | | | | | 1 |
| Wood Thrush | 13 | 1 | 19 | 7 | | 3 | 6 | 2 | 1 | | | | | 52 |
| American Robin | 15 | 40 | 131 | 322 | 31 | 39 | 11 | 11 | 396 | 10 | 183 | | 7 | 1196 |
| Gray Catbird | 27 | 5 | 262 | 478 | 21 | 44 | 31 | 19 | 28 | 16 | 93 | 4 | 7 | 1035 |
| Brown Thrasher | 8 | | 7 | 15 | 1 | 5 | 20 | 7 | 15 | 4 | 13 | 3 | 3 | 101 |
| Northern Mockingbird | 1 | 18 | 63 | 84 | 2 | 20 | 40 | 15 | 71 | 16 | 80 | 6 | 10 | 426 |
| European Starling | 25 | 313 | 479 | 1277 | | 186 | 597 | 198 | 643 | 56 | 1717 | 82 | 27 | 5600 |
| Cedar Waxwing | 254 | 57 | 28 | 83 | | 40 | 6 | 44 | 5 | | 27 | | | 544 |
| House Sparrow | 62 | 9 | 92 | 323 | | 56 | 22 | 39 | 152 | 3 | 108 | 54 | | 920 |
| House Finch | 9 | 16 | 75 | 130 | | 19 | 21 | | 46 | 5 | 10 | 2 | 13 | 346 |
| Purple Finch | 4 | | | | | | | | 1 | | | | | 5 |
| American Goldfinch | 27 | 10 | 59 | 169 | 2 | 13 | 77 | 6 | 78 | 3 | 52 | | 33 | 529 |
| Grasshopper Sparrow | | | | 1 | | | 3 | | | | | | | 4 |
| Chipping Sparrow | 13 | 18 | 36 | 106 | | 5 | 78 | 19 | 170 | 3 | 109 | 5 | 53 | 615 |
| Field Sparrow | 1 | 1 | 4 | 5 | | | | | 4 | 1 | | | 3 | 19 |
| White-throated Sparrow | | | | 2 | | | | | | | 1 | | | 3 |
| Vesper Sparrow | | 2 | | | | | | | | | | | | 2 |
| Seaside Sparrow | | | | | | | | | | | 2 | 5 | | 7 |
| Saltmarsh Sparrow | | | | | | | | | | | 1 | | | 1 |
| Savannah Sparrow | | | | 8 | | | 2 | 2 | | | 11 | 11 | | 34 |
| Song Sparrow | 15 | | 14 | 70 | | 2 | 19 | | 1 | 1 | 7 | | | 129 |
| Lincoln's Sparrow | | | | 2 | | | | | | | | 1 | | 3 |
| Swamp Sparrow | | | | | | | 2 | | | | 1 | | | 3 |
| unidentified sparrow | | | | 10 | | | | | 2 | | 1 | 12 | 1 | 26 |
| Eastern Towhee | 19 | | 27 | 49 | 4 | 3 | 6 | | 3 | | 7 | 1 | | 119 |
| Yellow-breasted Chat | | | | 1 | | | 2 | | | | | | | 3 |
| Bobolink | 1 | | | 5 | | | 25 | | 41 | | 2079 | 15 | | 2166 |
| Eastern Meadowlark | 1 | | | 2 | | | | | | 2 | 9 | 1 | | 15 |
| Baltimore Oriole | 1 | | | 2 | | | 2 | | 1 | | 4 | | | 10 |
| Red-winged Blackbird | | | 12 | 36 | | 1 | 66 | 8 | 74 | 42 | 723 | 21 | 91 | 1074 |
| Brown-headed Cowbird | | 176 | 106 | 19 | | 38 | 44 | | 53 | | 371 | 3 | 2 | 812 |
| Common Grackle | 1 | 56 | 12 | 1 | | 6 | 39 | 20 | 85 | | 50 | 3 | 482 | 755 |
| Boat-tailed Grackle | | | | | | | | | | | 7 | 18 | | 25 |
| unidentified blackbird | | | 21 | | | 9 | | | 8 | | 562 | | 137 | 737 |
| Ovenbird | 1 | | 1 | 2 | | | 2 | | | | | | | 6 |
| Worm-eating Warbler | | | | 2 | | | 1 | | | | 1 | | | 4 |
| Northern Waterthrush | 1 | | | 1 | | | 2 | | | | 4 | | | 8 |
| Blue-winged Warbler | 1 | | | 2 | | | | | 1 | | | | | 4 |
| Black-and-white Warbler | 11 | 1 | 8 | 39 | 1 | 8 | 16 | 7 | 28 | 1 | 21 | 1 | | 142 |
| Prothonotary Warbler | | | | | | | | | 1 | | | | | 1 |
| Tennessee Warbler | 8 | | | 1 | | | 1 | | | | | | | 10 |
| Nashville Warbler | | | 1 | 2 | | | 2 | | | 1 | | | | 6 |
| Connecticut Warbler | | | | 1 | | | 1 | | | | | | | 2 |
| Mourning Warbler | | | | 2 | | | | | | | | | | 2 |
| Common Yellowthroat | 7 | | 24 | 81 | 1 | 9 | 67 | 4 | 13 | 1 | 64 | 7 | 1 | 279 |
| Hooded Warbler | 5 | | | 2 | | 1 | 7 | | | | | | | 15 |
| American Redstart | 12 | | 31 | 75 | 2 | 10 | 26 | 34 | 43 | 3 | 51 | 1 | 3 | 291 |

| Species | AL | WA | CA | HO | MO | PG | CT | KE | CN | TA | DO | SO | WI | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cape May Warbler | 22 | 1 | | | | | | | 3 | | 2 | | | 28 |
| Northern Parula | 3 | | 4 | 26 | 1 | 8 | 25 | 3 | 15 | | 6 | | 1 | 92 |
| Magnolia Warbler | 15 | | 15 | 29 | | 4 | 7 | 4 | 5 | | 12 | | | 91 |
| Bay-breasted Warbler | 1 | | | 1 | | | | | | | | | 1 | 3 |
| Blackburnian Warbler | 7 | | 2 | 1 | | | | 1 | | | 1 | | | 12 |
| Yellow Warbler | 1 | | | 2 | | | 5 | | 4 | | 3 | | 1 | 16 |
| Chestnut-sided Warbler | 6 | | 6 | 8 | | | | | | | 1 | | | 21 |
| Blackpoll Warbler | 7 | | 2 | | | | 1 | | | | 1 | | | 11 |
| Black-throated Blue Warbler | 7 | | 3 | 11 | 1 | | 2 | | 1 | | 1 | | | 26 |
| Palm Warbler | | | | | | | 5 | | | | 2 | | | 7 |
| Pine Warbler | 1 | | | 3 | | 1 | 15 | 8 | 10 | | 134 | 12 | 11 | 195 |
| Yellow-rumped Warbler | | | 1 | 5 | | | | | 7 | | 1 | 7 | | 21 |
| Yellow-throated Warbler | 2 | | | | | | 1 | 1 | | | | | | 4 |
| Prairie Warbler | 2 | | | 2 | | | | | | | 4 | | | 8 |
| Black-throated Green Warbler | 31 | | 5 | 7 | | 2 | 6 | | | | 5 | | | 56 |
| Canada Warbler | 1 | | 1 | 4 | | | 1 | | | | | | | 7 |
| Wilson's Warbler | 2 | | | 2 | | | | | | | | | | 4 |
| unidentified warbler | | | 14 | 37 | | | 1 | | | | | | | 52 |
| Summer Tanager | | | | | | | 5 | 1 | 1 | | 5 | 1 | 2 | 15 |
| Scarlet Tanager | 17 | 9 | 7 | 8 | 1 | 4 | 9 | 4 | | | 1 | | | 60 |
| Northern Cardinal | 47 | 26 | 225 | 438 | 13 | 113 | 224 | 103 | 137 | 31 | 122 | 7 | 30 | 1516 |
| Rose-breasted Grosbeak | 6 | | 3 | 5 | | 1 | 1 | | | | 1 | | | 17 |
| Blue Grosbeak | 1 | 1 | | 8 | | 2 | 10 | | 16 | | 28 | 1 | 2 | 69 |
| Indigo Bunting | 6 | 1 | 3 | 63 | | 4 | 42 | 4 | 30 | | 21 | | 4 | 178 |
| **Total Birds** | | | | | | | | | | | | | | **59,916** |

*Maryland Birdlife* 69(1):80

## 2018 Maryland Fall Count: Corrigendum

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Table 3 of the 2018 Maryland Fall Count article (Stirrat 2019) incorrectly showed 10 Mute Swans for Prince George's County. Hence, the total for Mute Swans would be zero and the entire row should be deleted. The species count for Prince George's should be 111 and for the total count should be 197. The corrected individual totals for Prince George's are 10,769 and 64,372 for the count. Accordingly, the initial rows for Table 2 are as follows:

| | AL | WA | CA | HO | PG | CT | KE | CN | TA | DO | SO | WI | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Species | 108 | 65 | 105 | 118 | 111 | 87 | 87 | 109 | 103 | 141 | 49 | 46 | 197 |
| Total Birds | 4056 | 1496 | 5085 | 10,315 | 10,769 | 2784 | 1947 | 5631 | 5233 | 16,107 | 449 | 500 | 64,372 |

## LITERATURE CITED

Stirrat, C.R. 2019. 2018 Maryland Fall Count. *Maryland Birdlife* 68(1):73–80.

## *MARYLAND BIRDLIFE*

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**Maryland Ornithological Society, Inc.**
4915 Greenspring Avenue
Baltimore, MD 21209

***Maryland Birdlife***
Published Semiannually by the Maryland Ornithological Society, Inc.

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